

Pi Factors Report

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBT000054	IC,Linear	2	A101, A102
TFR=106.9592 [1.06%] FR= 53.4796 CF= 1.00000 T= 50.00C PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 1.9014 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:10.00			
SFBT000054	IC,Linear	1	A402
TFR= 64.3534 [0.64%] FR= 64.3534 CF= 1.00000 T= 53.00C PIFY=2.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 2.2880 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:13.00			
SFBT000275	IC,Linear	1	A406
TFR= 68.3972 [0.68%] FR= 68.3972 CF= 1.00000 T= 54.00C PIFY=2.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 2.4318 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:14.00			
SFBT000571	IC,Linear	2	A411, A412
TFR=106.9592 [1.06%] FR= 53.4796 CF= 1.00000 T= 50.00C PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 1.9014 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:10.00			
SFBT000574	IC,Linear	4	A410, A411, A412, A413
TFR=290.6721 [2.88%] FR= 72.6680 CF= 1.00000 T= 55.00C PIFY=2.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 2.5836 1.0 1.00000 Trans:50 QuLev:II Hermetic Trise:15.00			
SFBT000604	IC,Linear	1	A105
TFR=401.9023 [3.98%] FR=401.9023 CF= 1.00000 T= 86.00C PIFY=1.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 14.289 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:46.00			

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PartNumber	PartType	Qty	RefDes
SFBT000742	IC,Linear	1	A408
TFR= 92.7879 [0.92%] FR= 92.7879 CF= 1.00000 T= 54.00C PIFY=2.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 38.2 1.0 1.0000 2.4318 1.0 1.00000 Trans:100 QuLev:II NonHermetic Trise:14.00			
SFBT001033	IC,Linear	1	A104
TFR=116.4526 [1.15%] FR=116.4526 CF= 1.00000 T= 63.00C PIFY=1.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 4.1403 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:23.00			
SFBT001033	IC,Linear	1	A403
TFR= 86.9572 [0.86%] FR= 86.9572 CF= 1.00000 T= 58.00C PIFY=1.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 3.0917 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:18.00			
SFBT001033	IC,Linear	1	A409
TFR= 72.6680 [0.72%] FR= 72.6680 CF= 1.00000 T= 55.00C PIFY=2.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 2.5836 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:15.00			
SFBT001033	IC,Linear	1	A413
TFR=656.3011 [6.50%] FR=656.3011 CF= 1.00000 T= 96.00C PIFY=1.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 28.1 1.0 1.0000 23.334 1.0 1.00000 Trans:50 QuLev:II NonHermetic Trise:56.00			
SFBT001044	IC,Linear	1	A103
TFR=198.3311 [1.96%] FR=198.3311 CF= 1.00000 T= 67.00C PIFY=1.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 38.2 1.0 1.0000 5.1978 1.0 1.00000 Trans:100 QuLev:II NonHermetic Trise:27.00			

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PartNumber	PartType	Qty	RefDes
SFBT001105	IC,Linear	1	A404
TFR=890.3409	[8.82%]	FR=890.3409	CF= 1.00000 T= 96.00C PIFY=1.1
FR= LG	* PIQ * PIS * PIT * PIE * PICF		
38.2	1.0 1.0000 23.334 1.0 1.00000		
	Trans:100	QuLev:II	NonHermetic Trise:56.00

SFBT001105	IC,Linear	1	A405
TFR= 72.5506	[0.72%]	FR= 72.5506	CF= 1.00000 T= 50.00C PIFY=2.4
FR= LG	* PIQ * PIS * PIT * PIE * PICF		
38.2	1.0 1.0000 1.9014 1.0 1.00000		
	Trans:100	QuLev:II	NonHermetic Trise:10.00

SFBT001187A	IC,Linear	1	A407
TFR= 81.9362	[0.81%]	FR= 81.9362	CF= 1.00000 T= 57.00C PIFY=1.9
FR= LG	* PIQ * PIS * PIT * PIE * PICF		
28.1	1.0 1.0000 2.9131 1.0 1.00000		
	Trans:50	QuLev:II	NonHermetic Trise:17.00

SFBT001241	IC,Linear	1	U900
TFR=172.7894	[1.71%]	FR=172.7894	CF= 1.00000 T= 70.00C PIFY=1.4
FR= LG	* PIQ * PIS * PIT * PIE * PICF		
28.1	1.0 1.0000 6.1433 1.0 1.00000		
	Trans:50	QuLev:II	NonHermetic Trise:30.00

109212	Transistor	3	Q901,Q903, Q905
TFR= 5.20430	[0.05%]	FR= 1.73477	CF= 1.00000 T= 50.00C S=10.00% PIFY=8.8
FR= LG	* PIQ * PIS * PIT * PIE * PICF		
6.0	1.0 0.2246 1.2872 1.0 1.00000		
PNP	Si	QuLev:II	NonHermetic Trise:10.00
Pstress:10.00%(0.1000W/1.0000W) Vstress:27.78%(15.0000V/54.0000V)			

FBNL281	Transistor	1	Q404
TFR= 0.920163	[0.01%]	FR= 0.920163	CF= 1.00000 T= 47.00C S=10.00% PIFY=13.3
FR= LG	* PIQ * PIS * PIT * PIE * PICF		
6.0	1.0 0.1283 1.1953 1.0 1.00000		
NPN	Si	QuLev:II	NonHermetic Trise:7.00
Pstress:10.00%(0.1000W/1.0000W) Vstress:4.44%(6.0000V/135.000V)			

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BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
FBNL282	Transistor	1	Q440
TFR= 1.65455 [0.02%] FR= 1.65455 CF= 1.00000 T= 54.00C S=10.00% PIFY=9.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.1945 1.4178 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:14.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:21.78%(29.4000V/135.000V)			
FBNL427	Transistor	4	Q400,Q401,Q402,Q403
TFR= 37.5370 [0.37%] FR= 9.38426 CF= 1.00000 T= 48.00C S=10.00% PIFY=6.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2254 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:8.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN000046	Transistor	1	Q107
TFR= 1.06394 [0.01%] FR= 1.06394 CF= 1.00000 T= 50.00C S=10.00% PIFY=12.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.1378 1.2872 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:7.41%(4.0000V/54.0000V)			
SFBN000046	Transistor	3	Q108,Q110,Q111
TFR= 2.75641 [0.03%] FR= 0.918803 CF= 1.00000 T= 50.00C S=10.00% PIFY=13.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.1190 1.2872 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:1.30%(0.7000V/54.0000V)			
SFBN000046	Transistor	4	Q413,Q422,Q101,Q103
TFR= 6.34888 [0.06%] FR= 1.58722 CF= 1.00000 T= 50.00C S=10.00% PIFY=9.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2055 1.2872 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:24.07%(13.0000V/54.0000V)			

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BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBN000046	Transistor	1	Q428
TFR= 2.70558 [0.03%] FR= 2.70558 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.3503 1.2872 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:46.30%(25.0000V/54.0000V)			
SFBN000046	Transistor	1	Q436
TFR= 3.28995 [0.03%] FR= 3.28995 CF= 1.00000 T= 50.00C S=10.00% PIFY=5.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.4260 1.2872 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:54.44%(29.4000V/54.0000V)			
SFBN000046	Transistor	1	Q438
TFR= 1.32871 [0.01%] FR= 1.32871 CF= 1.00000 T= 50.00C S=10.00% PIFY=10.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.1720 1.2872 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:16.67%(9.0000V/54.0000V)			
SFBN000046	Transistor	1	Q912
TFR= 3.06030 [0.03%] FR= 3.06030 CF= 1.00000 T= 75.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2246 2.2707 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:35.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:27.78%(15.0000V/54.0000V)			
SFBN000056	Transistor	1	Q104
TFR= 2.16646 [0.02%] FR= 2.16646 CF= 1.00000 T= 50.00C S=10.00% PIFY=7.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2805 1.2872 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:37.04%(10.0000V/27.0000V)			

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PartNumber	PartType	Qty	RefDes
SFBN000056	Transistor	1	Q106
TFR= 2.72505 [0.03%] FR= 2.72505 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.3528 1.2872 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:46.59%(13.0000V/27.9000V)			
SFBN000056	Transistor	1	Q109
TFR= 1.09696 [0.01%] FR= 1.09696 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.1420 1.2872 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:8.68%(2.5000V/28.8000V)			
SFBN000056	Transistor	2	Q412,Q415
TFR= 4.84212 [0.05%] FR= 2.42106 CF= 1.00000 T= 50.00C S=10.00% PIFY=7.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.3135 1.2872 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:41.67%(15.0000V/36.0000V)			
SFBN000056	Transistor	2	Q427,Q430
TFR= 4.23769 [0.04%] FR= 2.11885 CF= 1.00000 T= 50.00C S=10.00% PIFY=7.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2744 1.2872 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:36.11%(13.0000V/36.0000V)			
SFBN000056	Transistor	3	Q432,Q433,Q434
TFR= 4.86866 [0.05%] FR= 1.62289 CF= 1.00000 T= 50.00C S=10.00% PIFY=9.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2101 1.2872 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:25.00%(9.0000V/36.0000V)			

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PartNumber	PartType	Qty	RefDes
SFBN000056	Transistor	1	Q913
TFR= 4.27099 [0.04%] FR= 4.27099 CF= 1.00000 T= 75.00C S=10.00% PIFY=4.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.3135 2.2707 1.0 1.00000 NPN Si QuLev:II NonHermetic Trise:35.00 Pstress:10.00%(0.1000W/1.0000W) Vstress:41.67%(15.0000V/36.0000V)			
SFBN000155	Transistor	1	Q102
TFR= 9.85697 [0.10%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN000155	Transistor	2	Q405,Q406
TFR= 19.7139 [0.20%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN000155	Transistor	5	Q407,Q408,Q409,Q410,Q411
TFR= 49.2848 [0.49%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN000155	Transistor	5	Q414,Q417,Q418,Q419,Q420
TFR= 49.2848 [0.49%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			

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PartNumber	PartType	Qty	RefDes
SFBN000155	Transistor	1	Q429
TFR= 9.85697 [0.10%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN000155	Transistor	1	Q437
TFR= 9.85697 [0.10%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN000156	Transistor	1	Q115
TFR= 9.85697 [0.10%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN00106	Transistor	1	Q105
TFR= 9.85697 [0.10%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			
SFBN001106	Transistor	1	Q426
TFR= 9.85697 [0.10%] FR= 9.85697 CF= 1.00000 T= 50.00C S=10.00% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.3829 1.2872 1.0 1.00000 FET Si Switch QuLev:II NonHermetic Trise:10.00 Pstress:10.00%(0.1000W/1.0000W)			

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PartNumber	PartType	Qty	RefDes
SFBN001222A	Transistor	1	Q910
TFR= 4.24823 [0.04%] FR= 4.24823 CF= 1.00000 T= 58.20C S=10.00% PIFY=4.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.4523 1.5653 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:18.20 Pstress:10.00%(0.1000W/1.0000W) Vstress:56.94%(410.000V/720.000V)			
SFBN001223	Transistor	3	Q900, Q902, Q904
TFR= 82.0659 [0.81%] FR= 27.3553 CF= 1.00000 T= 70.00C S=33.33% PIFY=3.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 20.0 1.0 0.6703 2.0405 1.0 1.00000 FET Si Switch QuLev:II Hermetic Trise:30.00 Pstress:33.33%(10.0000W/30.0000W)			
SFBN001223	Transistor	2	Q906, Q907
TFR= 14.8654 [0.15%] FR= 7.43272 CF= 1.00000 T= 66.60C S=10.00% PIFY=3.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.6541 1.8940 1.0 1.00000 PNP Si QuLev:II NonHermetic Trise:26.60 Pstress:10.00%(0.1000W/1.0000W) Vstress:72.31%(410.000V/567.000V)			
FBL00426	Diode	1	CR101
TFR= 11.9179 [0.12%] FR= 11.9179 CF= 1.00000 T= 70.00C S=46.66% PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.9735 2.0405 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:30.00 Imax:15.0000A Istress:46.66% Vmax:600.000V Vstress:61.66%			
FBL00432A	Diode	2	D400, D401
TFR= 13.1821 [0.13%] FR= 6.59104 CF= 1.00000 T= 65.60C S=18.00% PIFY=4.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 9.0 1.0 0.3953 1.8524 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:25.60 Imax:80.0000A Istress:18.00% Vmax:150.000V Vstress:33.00%			

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PartNumber	PartType	Qty	RefDes
SFBL000040	Diode	2	CR110,CR127
TFR= 1.82901 [0.02%] FR= 0.914506 CF= 1.00000 T= 50.00C S=0.33% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.2368 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.3000A Istress:0.33% Vmax:75.0000V Vstress:6.66%			
SFBL000040	Diode	1	CR126
TFR= 0.914594 [0.01%] FR= 0.914594 CF= 1.00000 T= 50.00C S=0.33% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.2368 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.3000A Istress:0.33% Vmax:75.0000V Vstress:12.00%			
SFBL000040	Diode	4	D409,D410,D412,D415
TFR= 65.8482 [0.65%] FR= 16.4621 CF= 1.00000 T= 50.00C S=100.0% PIFY=1.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 4.2631 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.2000A Istress:100.0% Vmax:75.0000V Vstress:17.33%			
SFBL000157	Diode	1	CR125
TFR= 1.86490 [0.02%] FR= 1.86490 CF= 1.00000 T= 50.00C S=1.00% PIFY=8.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2415 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:1.00% Vmax:40.0000V Vstress:32.50%			
SFBL000158	Diode	1	CR111
TFR= 2.93744 [0.03%] FR= 2.93744 CF= 1.00000 T= 50.00C S=16.67% PIFY=6.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.3803 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:3.0000A Istress:16.67% Vmax:200.000V Vstress:17.50%			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBL001097	Diode	1	CR103
TFR= 1.81685 [0.02%] FR= 1.81685 CF= 1.00000 T= 50.00C S=0.10% PIFY=8.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2353 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:0.10% Vmax:600.000V Vstress:2.17%			
SFBL001097	Diode	2	CR104,CR106
TFR= 3.91280 [0.04%] FR= 1.95640 CF= 1.00000 T= 50.00C S=0.10% PIFY=8.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2533 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:0.10% Vmax:600.000V Vstress:62.33%			
SFBL001097	Diode	1	CR107
TFR= 2.42106 [0.02%] FR= 2.42106 CF= 1.00000 T= 50.00C S=10.00% PIFY=7.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.3135 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:10.00% Vmax:600.000V Vstress:5.00%			
SFBL001097	Diode	1	CR114
TFR= 32.9241 [0.33%] FR= 32.9241 CF= 1.00000 T= 50.00C S=100.0% PIFY=1.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 4.2631 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:100.0% Vmax:600.000V Vstress:2.50%			
SFBL001097	Diode	1	CR116
TFR= 8.62087 [0.09%] FR= 8.62087 CF= 1.00000 T= 50.00C S=50.00% PIFY=2.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 1.1163 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:50.00% Vmax:600.000V Vstress:68.33%			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBL001097	Diode	1	CR120
TFR= 7.72302 [0.08%] FR= 7.72302 CF= 1.00000 T= 50.00C S=50.00% PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 1.0000 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:1.0000A Istress:50.00% Vmax:600.000V Vstress:7.50%			
SFBL001097	Diode	2	D408,D411
TFR= 4.11022 [0.04%] FR= 2.05511 CF= 1.00000 T= 50.00C S=0.63% PIFY=7.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2661 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:16.0000A Istress:0.63% Vmax:600.000V Vstress:68.00%			
SFBL001098	Diode	2	CR112,CR113
TFR= 3.62450 [0.04%] FR= 1.81225 CF= 1.00000 T= 50.00C S=0.01% PIFY=8.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2347 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:8.0000A Istress:0.01% Vmax:800.000V Vstress:0.13%			
SFBL001098	Diode	1	CR129
TFR= 1.82589 [0.02%] FR= 1.82589 CF= 1.00000 T= 50.00C S=0.01% PIFY=8.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2364 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:8.0000A Istress:0.01% Vmax:800.000V Vstress:51.25%			
SFBL001098	Diode	1	D428
TFR= 2.74909 [0.03%] FR= 2.74909 CF= 1.00000 T= 50.00C S=0.40% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 9.0 1.0 0.2373 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:25.0000A Istress:0.40% Vmax:800.000V Vstress:0.13%			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBL001107	Diode	1	CR108
TFR= 1.44060 [0.01%] FR= 1.44060 CF= 1.00000 T= 50.00C S=16.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.3731 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.6250A Istress:16.00% Vmax:200.000V Vstress:4.50%			
SFBL001107	Diode	1	CR121
TFR= 1.81225 [0.02%] FR= 1.81225 CF= 1.00000 T= 50.00C S=0.01% PIFY=8.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2347 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:8.0000A Istress:0.01% Vmax:200.000V Vstress:4.50%			
SFBL001107	Diode	1	CR123
TFR= 0.948815 [0.01%] FR= 0.948815 CF= 1.00000 T= 50.00C S=1.60% PIFY=8.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.2457 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.6250A Istress:1.60% Vmax:200.000V Vstress:4.50%			
SFBL001107	Diode	1	D402
TFR= 2.74352 [0.03%] FR= 2.74352 CF= 1.00000 T= 50.00C S=0.33% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 9.0 1.0 0.2368 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:30.0000A Istress:0.33% Vmax:200.000V Vstress:4.50%			
SFBL001107	Diode	3	D403,D413,D416
TFR= 8.24728 [0.08%] FR= 2.74909 CF= 1.00000 T= 50.00C S=0.40% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 9.0 1.0 0.2373 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:25.0000A Istress:0.40% Vmax:200.000V Vstress:4.50%			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBL001107	Diode	1	D417
TFR= 1.84473 [0.02%] FR= 1.84473 CF= 1.00000 T= 50.00C S=0.63% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.2389 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:16.0000A Istress:0.63% Vmax:200.000V Vstress:4.50%			
SFBL001107	Diode	4	D419,D420,D421,D425
TFR= 25.0405 [0.25%] FR= 6.26011 CF= 1.00000 T= 50.00C S=66.66% PIFY=2.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 1.6212 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.1500A Istress:66.66% Vmax:200.000V Vstress:4.50%			
SFBL001107	Diode	2	D426,D429
TFR= 12.5202 [0.12%] FR= 6.26011 CF= 1.00000 T= 50.00C S=66.66% PIFY=2.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 1.6212 1.2872 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:10.00 Imax:0.1500A Istress:66.66% Vmax:200.000V Vstress:4.50%			
SFBL001246	Diode	3	CR900, CR901, CR902
TFR= 19.8569 [0.20%] FR= 6.61896 CF= 1.00000 T= 70.00C S=25.00% PIFY=3.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 6.0 1.0 0.5406 2.0405 1.0 1.00000 GeneralPurpose Si QuLev:II NonHermetic Trise:30.00 Imax:6.0000A Istress:25.00% Vmax:600.000V Vstress:68.33%			
SFBM000042	Diode	1	CR128
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBM000042	Diode	2	D405,D422
TFR= 2.86303 [0.03%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM000043	Diode	1	CR119
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM000044	Diode	1	D414
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM000055	Diode	1	CR109
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM000077	Diode	1	CR124
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBM000149	Diode	1	CR105
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM000149	Diode	2	D418,D427
TFR= 2.86303 [0.03%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM000153	Diode	1	D404
TFR= 1.43152 [0.01%] FR= 1.43152 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 3.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:0.2170W Pstress:12.00%			
SFBM001099	Diode	3	CR115,CR117,CR118
TFR= 12.8837 [0.13%] FR= 4.29455 CF= 1.00000 T= 50.00C S=12.00% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 9.0 1.0 0.4017 1.1878 1.0 1.00000 VoltageRegulator QuLev:II NonHermetic Trise:10.00 Pmax:3.0000W Pstress:12.00%			
FBT00450	Optoelectronic	1	A401
TFR= 17.6392 [0.17%] FR= 17.6392 CF= 1.00000 T= 47.00C PIFY=2.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 1.0000 1.7639 1.0 1.00000 OptoIsolator PhotoDiode QuLev:II NonHermetic Trise:7.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SFBN000420	Optoelectronic	4	OC400,OC401,OC402,OC403
TFR= 70.5567 [0.70%] FR= 17.6392 CF= 1.00000 T= 47.00C PIFY=2.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 1.0000 1.7639 1.0 1.00000 OptoIsolator PhotoDiode QuLev:II NonHermetic Trise:7.00			
FKA100064A	Resistor	1	RT101
TFR= 26.4749 [0.26%] FR= 26.4749 CF= 1.00000 T= 62.00C PIFY=2.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 1.0000 2.6475 1.0 1.00000 Thermistor,Disk 7.00 ohms QuLev:II Trise:22.00			
SDEL501101	Resistor	2	R457, R464
TFR= 2.47135 [0.02%] FR= 1.23568 CF= 1.00000 T= 50.00C S=40.00% PIFY=3.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.8270 1.4942 1.0 1.00000 Composition 0.05 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.05000W Pstr:40.00%(Calc=Pd/Pmax)			
SDEL501101	Resistor	4	R903, R904, R905, R906
TFR= 7.36628 [0.07%] FR= 1.84157 CF= 1.00000 T= 50.00C S=61.00% PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.2324 1.4942 1.0 1.00000 Composition 0.05 ohms QuLev:II Trise:10.00 Pmax:1.00000W Pd:0.61000W Pstr:61.00%(Calc=Pd/Pmax)			
SDEM821102	Resistor	1	R490
TFR= 2.64222 [0.03%] FR= 2.64222 CF= 1.00000 T= 50.00C S=80.00% PIFY=2.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.7683 1.4942 1.0 1.00000 Composition 0.08 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.10000W Pstr:80.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEN240177	Resistor	3	R153, R162, R183
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 2.43 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEN240177	Resistor	1	R154
TFR= 0.783189 [0.01%] FR= 0.783189 CF= 1.00000 T= 50.00C S=16.00% PIFY=4.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.5241 1.4942 1.0 1.00000 Composition 2.43 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.02000W Pstr:16.00%(Calc=Pd/Pmax)			
SDEN240177	Resistor	1	R430
TFR= 0.578500 [0.01%] FR= 0.578500 CF= 1.00000 T= 50.00C S=0.06% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3872 1.4942 1.0 1.00000 Composition 2.43 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.07000W Pstr:0.06%(Calc=Pd/Pmax)			
SDEN240177	Resistor	4	R439, R444, R448, R483
TFR= 3.64703 [0.04%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 2.43 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDEN240177	Resistor	1	R507
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 2.43 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEN240178	Resistor	1	R431
TFR= 1.23568 [0.01%] FR= 1.23568 CF= 1.00000 T= 50.00C S=40.00% PIFY=3.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.8270 1.4942 1.0 1.00000 Composition 3.43 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.05000W Pstr:40.00%(Calc=Pd/Pmax)			
SDEN240178	Resistor	1	R463
TFR= 0.783189 [0.01%] FR= 0.783189 CF= 1.00000 T= 50.00C S=16.00% PIFY=4.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.5241 1.4942 1.0 1.00000 Composition 3.43 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.02000W Pstr:16.00%(Calc=Pd/Pmax)			
SDEN590297	Resistor	4	R432, R435, R452, R468
TFR= 2.31189 [0.02%] FR= 0.577972 CF= 1.00000 T= 50.00C S=0.01% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3868 1.4942 1.0 1.00000 Composition 5.90 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.01000W Pstr:0.01%(Calc=Pd/Pmax)			
SDEN590297	Resistor	1	R455
TFR= 0.578412 [0.01%] FR= 0.578412 CF= 1.00000 T= 50.00C S=0.05% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3871 1.4942 1.0 1.00000 Composition 5.90 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.06000W Pstr:0.05%(Calc=Pd/Pmax)			
SDEN590297	Resistor	2	R912, R914
TFR= 1.34550 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 5.90 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEP100009	Resistor	2	R116,R123
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEP100009	Resistor	1	R134
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDEP100009	Resistor	5	R410,R414,R417,R456,R472
TFR= 2.89382 [0.03%] FR= 0.578764 CF= 1.00000 T= 50.00C S=0.08% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3873 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.10000W Pstr:0.08%(Calc=Pd/Pmax)			
SDEP100009	Resistor	4	R434, R437, R449, R467
TFR= 2.31294 [0.02%] FR= 0.578236 CF= 1.00000 T= 50.00C S=0.03% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3870 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.04000W Pstr:0.03%(Calc=Pd/Pmax)			
SDEP100009	Resistor	3	R535, R549, R550
TFR= 1.73629 [0.02%] FR= 0.578764 CF= 1.00000 T= 50.00C S=0.08% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3873 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.10000W Pstr:0.08%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEP100009	Resistor	3	R911, R913, R937
TFR= 2.73527 [0.03%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDEP200090	Resistor	1	R141
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 20.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEP200090	Resistor	2	R411, R469
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 20.00 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEP200090	Resistor	1	R936
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 20.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDEP30011	Resistor	1	R167
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 30.10 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEP500181	Resistor	3	R927, R928, R933
TFR= 3.12436 [0.03%] FR= 1.04145 CF= 1.00000 T= 50.00C S=31.00% PIFY=3.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6970 1.4942 1.0 1.00000 Composition 51.10 ohms QuLev:II Trise:10.00 Pmax:1.00000W Pd:0.31000W Pstr:31.00%(Calc=Pd/Pmax)			
SDEP600164	Resistor	3	R144, R146, R149
TFR= 2.01825 [0.02%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 60.40 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDER100012	Resistor	2	R447, R470
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 100.00 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDER100012	Resistor	2	R525, R526
TFR= 1.15594 [0.01%] FR= 0.577972 CF= 1.00000 T= 50.00C S=0.01% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3868 1.4942 1.0 1.00000 Composition 100.00 ohms QuLev:II Trise:10.00 Pmax:125.0000W Pd:0.01000W Pstr:0.01%(Calc=Pd/Pmax)			
SDER101229	Resistor	1	R482
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:1.00000W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDER101229	Resistor	2	R539, R547
TFR= 1.32018 [0.01%] FR= 0.660089 CF= 1.00000 T= 50.00C S=7.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4418 1.4942 1.0 1.00000 Composition 10.00 ohms QuLev:II Trise:10.00 Pmax:1.00000W Pd:0.07000W Pstr:7.00%(Calc=Pd/Pmax)			
SDER200072	Resistor	1	R132
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 200.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDER200072	Resistor	3	R143, R150, R161
TFR= 2.01825 [0.02%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 200.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDER200072	Resistor	1	R522
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 200.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDER240182	Resistor	3	R117, R121, R122
TFR= 3.77814 [0.04%] FR= 1.25938 CF= 1.00000 T= 50.00C S=41.00% PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.8428 1.4942 1.0 1.00000 Composition 243.00 ohms QuLev:II Trise:10.00 Pmax:1.00000W Pd:0.41000W Pstr:41.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDER400867	Resistor	2	R147, R155

TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4
 FR= LG * PIQ * PIS * PIT * PIE * PICF
 1.0 1.0 0.3867 1.4942 1.0 1.00000
 Composition 402.00 ohms QuLev:II
 Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)

SDER400867	Resistor	2	R147, R155
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TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4
 FR= LG * PIQ * PIS * PIT * PIE * PICF
 1.0 1.0 0.3867 1.4942 1.0 1.00000
 Composition 402.00 ohms QuLev:II
 Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)

SDER500075	Resistor	1	R186
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TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4
 FR= LG * PIQ * PIS * PIT * PIE * PICF
 1.0 1.0 0.3867 1.4942 1.0 1.00000
 Composition 499.00 ohms QuLev:II
 Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)

SDER500075	Resistor	1	R190
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TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9
 FR= LG * PIQ * PIS * PIT * PIE * PICF
 1.0 1.0 0.4502 1.4942 1.0 1.00000
 Composition 499.00 ohms QuLev:II
 Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)

SDER500075	Resistor	2	R537, R538
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TFR= 2.47135 [0.02%] FR= 1.23568 CF= 1.00000 T= 50.00C S=40.00% PIFY=3.2
 FR= LG * PIQ * PIS * PIT * PIE * PICF
 1.0 1.0 0.8270 1.4942 1.0 1.00000
 Composition 499.00 ohms QuLev:II
 Trise:10.00 Pmax:0.12500W Pd:0.05000W Pstr:40.00%(Calc=Pd/Pmax)

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDER500075	Resistor	1	R561
TFR= 1.67467 [0.02%] FR= 1.67467 CF= 1.00000 T= 50.00C S=56.00% PIFY=2.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.1208 1.4942 1.0 1.00000 Composition 499.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.07000W Pstr:56.00%(Calc=Pd/Pmax)			
SDER830015	Resistor	2	R401,R402
TFR= 5.28444 [0.05%] FR= 2.64222 CF= 1.00000 T= 50.00C S=80.00% PIFY=2.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.7683 1.4942 1.0 1.00000 Composition 825.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.10000W Pstr:80.00%(Calc=Pd/Pmax)			
SDER830015	Resistor	2	R465, R474
TFR= 1.82351 [0.02%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 825.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDER830015	Resistor	2	R518, R548
TFR= 2.87705 [0.03%] FR= 1.43853 CF= 1.00000 T= 50.00C S=48.00% PIFY=2.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.9627 1.4942 1.0 1.00000 Composition 825.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.06000W Pstr:48.00%(Calc=Pd/Pmax)			
SDER830015	Resistor	1	R560
TFR= 1.94959 [0.02%] FR= 1.94959 CF= 1.00000 T= 50.00C S=64.00% PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.3047 1.4942 1.0 1.00000 Composition 825.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.08000W Pstr:64.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES100018	Resistor	2	R107, R124
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R137
TFR= 0.845031 [0.01%] FR= 0.845031 CF= 1.00000 T= 50.00C S=20.00% PIFY=4.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.5655 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.25000W Pd:0.05000W Pstr:20.00%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R142
TFR= 0.783189 [0.01%] FR= 0.783189 CF= 1.00000 T= 50.00C S=16.00% PIFY=4.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.5241 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.25000W Pd:0.04000W Pstr:16.00%(Calc=Pd/Pmax)			
SDES100018	Resistor	3	R148, R166, R187
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.25000W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R152
TFR= 0.725872 [0.01%] FR= 0.725872 CF= 1.00000 T= 50.00C S=12.00% PIFY=4.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4858 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.25000W Pd:0.03000W Pstr:12.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES100018	Resistor	2	R403, R406
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES100018	Resistor	2	R416, R423
TFR= 3.34935 [0.03%] FR= 1.67467 CF= 1.00000 T= 50.00C S=56.00% PIFY=2.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.1208 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.07000W Pstr:56.00%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R478
TFR= 1.23568 [0.01%] FR= 1.23568 CF= 1.00000 T= 50.00C S=40.00% PIFY=3.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.8270 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.05000W Pstr:40.00%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R500
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R504
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES100018	Resistor	3	R508, R511, R524
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES100018	Resistor	4	R545,R546,R553,R557
TFR= 2.31154 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES100018	Resistor	1	R559
TFR= 1.43853 [0.01%] FR= 1.43853 CF= 1.00000 T= 50.00C S=48.00% PIFY=2.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.9627 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.06000W Pstr:48.00%(Calc=Pd/Pmax)			
SDES100220	Resistor	1	R118
TFR= 1.23568 [0.01%] FR= 1.23568 CF= 1.00000 T= 50.00C S=40.00% PIFY=3.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.8270 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.25000W Pd:0.10000W Pstr:40.00%(Calc=Pd/Pmax)			
SDES100220	Resistor	1	R160
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.25000W Pd:0.06000W Pstr:24.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES140088	Resistor	2	R189, R192
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1430.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES190102	Resistor	3	R105, R157, R158
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1870.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES190102	Resistor	1	R112
TFR= 1.06143 [0.01%] FR= 1.06143 CF= 1.00000 T= 50.00C S=32.00% PIFY=3.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.7103 1.4942 1.0 1.00000 Composition 1870.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.04000W Pstr:32.00%(Calc=Pd/Pmax)			
SDES210113	Resistor	1	R542
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 2050.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES240022	Resistor	1	R446
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 2430.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES240022	Resistor	1	R494
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 2430.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDES240022	Resistor	2	R502, R512
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 2430.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES240022	Resistor	2	R528, R533
TFR= 1.82351 [0.02%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 2430.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDES241218A	Resistor	1	R136
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 2490.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES241218A	Resistor	2	R172, R174
TFR= 1.34550 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 2490.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES250100	Resistor	3	R156, R159, R193
TFR= 2.01825 [0.02%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 2490.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDES250100	Resistor	2	R426, R558
TFR= 1.82351 [0.02%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 2490.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDES250100	Resistor	2	R427, R488
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 2490.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES300071	Resistor	1	R113
TFR= 1.67467 [0.02%] FR= 1.67467 CF= 1.00000 T= 50.00C S=56.00% PIFY=2.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.1208 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.07000W Pstr:56.00%(Calc=Pd/Pmax)			
SDES300071	Resistor	2	R131, R133
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES300071	Resistor	2	R404, R543
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES300071	Resistor	1	R485
TFR= 1.67467 [0.02%] FR= 1.67467 CF= 1.00000 T= 50.00C S=56.00% PIFY=2.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.1208 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.07000W Pstr:56.00%(Calc=Pd/Pmax)			
SDES300071	Resistor	1	R489
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDES301220A	Resistor	2	R407, R419
TFR= 1.34550 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDES301220A	Resistor	1	R425
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 3010.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES430097	Resistor	2	R182, R194
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 4320.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES500024	Resistor	1	R106
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 4990.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDES500024	Resistor	1	R115
TFR= 0.783189 [0.01%] FR= 0.783189 CF= 1.00000 T= 50.00C S=16.00% PIFY=4.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.5241 1.4942 1.0 1.00000 Composition 4990.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.02000W Pstr:16.00%(Calc=Pd/Pmax)			
SDES500024	Resistor	3	R126, R130, R151
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 4990.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES500024	Resistor	1	R173
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 4990.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES500024	Resistor	1	R421
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 4990.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDES500024	Resistor	1	R486
TFR= 0.783189 [0.01%] FR= 0.783189 CF= 1.00000 T= 50.00C S=16.00% PIFY=4.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.5241 1.4942 1.0 1.00000 Composition 4990.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.02000W Pstr:16.00%(Calc=Pd/Pmax)			
SDES630025	Resistor	1	R515
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 6340.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDES630025	Resistor	2	R527, R540
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 6340.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDES750095	Resistor	2	R405, R510
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 7500.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDES750095	Resistor	1	R499
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 7500.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDES750096	Resistor	3	R114, R140, R181
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 7500.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET100028	Resistor	3	R128, R171, R176
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 1000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET100028	Resistor	5	R412,R413,R418,R420,R492
TFR= 2.88942 [0.03%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 10000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET100028	Resistor	3	R461, R466, R475
TFR= 2.01825 [0.02%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 10000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDET100028	Resistor	3	R534, R554, R555
TFR= 1.73365 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 10000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET100028	Resistor	1	R556
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 10000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDET100028	Resistor	3	R907, R908, R938
TFR= 2.01825 [0.02%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 10000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDET101219A	Resistor	2	R165, R175
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 75000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET101219A	Resistor	2	R408, R509
TFR= 1.34550 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 10000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDET120131	Resistor	4	R433,R436,R459,R462
TFR= 2.69100 [0.03%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 12100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDET150030	Resistor	1	R110
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 15000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDET150030	Resistor	1	R184
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 15000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET150030	Resistor	1	R477
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 15000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDET170120	Resistor	1	R145
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 16900.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDET170120	Resistor	1	R188
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 16900.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET200700	Resistor	1	R424
TFR= 0.911757 [0.01%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 20000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDET200700	Resistor	5	R521,R532,R541,R544,R551
TFR= 2.88942 [0.03%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 20000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET200700	Resistor	1	R532
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 20000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET480032	Resistor	2	R125, R135
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 47500.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDET510258	Resistor	1	R409
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 51100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET510258	Resistor	1	R514
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 51100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDET750093	Resistor	1	R178
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 75000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDET750093	Resistor	1	R497
TFR= 0.672750 [0.01%] FR= 0.672750 CF= 1.00000 T= 50.00C S=8.00% PIFY=4.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4502 1.4942 1.0 1.00000 Composition 75000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.01000W Pstr:8.00%(Calc=Pd/Pmax)			
SDEV100033	Resistor	3	R109,R109,R111
TFR= 5.84877 [0.06%] FR= 1.94959 CF= 1.00000 T= 50.00C S=64.00% PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.3047 1.4942 1.0 1.00000 Composition 100000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.08000W Pstr:64.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEV100033	Resistor	1	R185
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 100000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV100033	Resistor	5	R422,R476,R495,R523,R529
TFR= 2.88942 [0.03%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 100000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV200163	Resistor	2	R120, R164
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 200000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV200163	Resistor	4	R536,R501,R513,R531
TFR= 2.31154 [0.02%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 200000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV220754	Resistor	2	R168, R169
TFR= 3.34935 [0.03%] FR= 1.67467 CF= 1.00000 T= 50.00C S=56.00% PIFY=2.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.1208 1.4942 1.0 1.00000 Composition 274000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.07000W Pstr:56.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEV220756	Resistor	1	R170
TFR= 1.43853 [0.01%] FR= 1.43853 CF= 1.00000 T= 50.00C S=48.00% PIFY=2.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.9627 1.4942 1.0 1.00000 Composition 22100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.06000W Pstr:48.00%(Calc=Pd/Pmax)			
SDEV220756	Resistor	1	R191
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 22100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV300036	Resistor	1	R119
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 30100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV300036	Resistor	2	R493,R517
TFR= 1.15577 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 301000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV30036	Resistor	3	R127, R138, R139
TFR= 4.31558 [0.04%] FR= 1.43853 CF= 1.00000 T= 50.00C S=48.00% PIFY=2.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.9627 1.4942 1.0 1.00000 Composition 30100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.06000W Pstr:48.00%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SDEV30036	Resistor	3	R177, R179, R180
TFR= 2.73527 [0.03%] FR= 0.911757 CF= 1.00000 T= 50.00C S=24.00% PIFY=3.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6102 1.4942 1.0 1.00000 Composition 30100.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.03000W Pstr:24.00%(Calc=Pd/Pmax)			
SDEV620037	Resistor	1	R163
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 619000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SDEV910038	Resistor	1	R491
TFR= 0.577884 [0.01%] FR= 0.577884 CF= 1.00000 T= 50.00C S=0.0% PIFY=5.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3867 1.4942 1.0 1.00000 Composition 909000.00 ohms QuLev:II Trise:10.00 Pmax:0.12500W Pd:0.0W Pstr:0.0%(Calc=Pd/Pmax)			
SEDM821102	Resistor	1	R129
TFR= 0.635476 [0.01%] FR= 0.635476 CF= 1.00000 T= 50.00C S=5.00% PIFY=5.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4253 1.4942 1.0 1.00000 Composition 0.82 ohms QuLev:II Trise:10.00 Pmax:1.00000W Pd:0.05000W Pstr:5.00%(Calc=Pd/Pmax)			
DRS20052	Potentiometer	2	R428, R429
TFR= 40.3624 [0.40%] FR= 20.1812 CF= 1.00000 T= 47.00C S=0.80% PIFY=4.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 25.0 1.0 0.7444 1.0845 1.0 1.00000 NonWirewound,Trimmer 2.00 Kohms QuLev:II Trise:7.00 Pmax:0.25000W Pd:0.00200W Pstr:0.80%(Calc=Pd/Pmax)			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
CAN22047A	Capacitor	3	C105, C106, C110
TFR=352.7650 [3.49%] FR=117.5883 CF= 1.00000 T= 60.00C S=88.00% PIFY=1.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 9.4121 1.2493 1.0 1.00000 Paper/Plastic 2.20000 uF QuLev:II Vmax:250.0000V Vop:220.0000V Vstr:88.00%(Calc=Vop/Vmax) Trise:20.00			
CBR33338	Capacitor	1	C116
TFR= 47.1148 [0.47%] FR= 47.1148 CF= 1.00000 T= 55.00C S=28.57% PIFY=3.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 40.0 1.0 0.5979 1.9699 1.0 1.00000 Aluminum,ChassisMount 330.0000 uF QuLev:II Vmax:63.0000V Vop:18.0000V Vstr:28.57%(Calc=Vop/Vmax) Trise:15.00			
CBR33338	Capacitor	1	C410
TFR= 49.9282 [0.49%] FR= 49.9282 CF= 1.00000 T= 46.00C S=47.62% PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 40.0 1.0 0.9445 1.3216 1.0 1.00000 Aluminum,ChassisMount 330.0000 uF QuLev:II Vmax:63.0000V Vop:30.0000V Vstr:47.62%(Calc=Vop/Vmax) Trise:6.00			
CBR56465	Capacitor	3	C117, C113, C403
TFR=445.1742 [4.41%] FR=148.3914 CF= 1.00000 T= 47.00C S=91.11% PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 40.0 1.0 2.6823 1.3831 1.0 1.00000 Aluminum,ChassisMount 270.0000 uF QuLev:II Vmax:450.0000V Vop:410.0000V Vstr:91.11%(Calc=Vop/Vmax) Trise:7.00			
CBS10379	Capacitor	1	C111
TFR=606.6224 [6.01%] FR=606.6224 CF= 1.00000 T= 60.00C S=100.0% PIFY=1.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 75.0 1.0 3.3201 2.4361 1.0 1.00000 Aluminum,ChassisMount 1000.0000 uF QuLev:II Vmax:35.0000V Vop:35.0000V Vstr:100.0%(Calc=Vop/Vmax) Trise:20.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
CBS15391	Capacitor	5	C411,C413,C414,C417,C424
TFR=689.8045 [6.83%] FR=137.9609 CF= 1.00000 T= 48.00C S=60.00% PIFY=2.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 75.0 1.0 1.2712 1.4470 1.0 1.00000 Aluminum,ChassisMount 1500.0000 uF QuLev:II Vmax:50.0000V Vop:30.0000V Vstr:60.00%(Calc=Vop/Vmax) Trise:8.00			
CDJ10037	Capacitor	1	C404
TFR= 0.315964 [0.00%] FR= 0.315964 CF= 1.00000 T= 50.00C S=20.50% PIFY=8.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2983 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:2000.000V Vop:410.0000V Vstr:20.50%(Calc=Vop/Vmax) Trise:10.00			
CDJ33048	Capacitor	1	C402
TFR= 1.30001 [0.01%] FR= 1.30001 CF= 1.00000 T= 50.00C S=55.00% PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.2275 1.0591 1.0 1.00000 Ceramic 330.0000 pf QuLev:II Vmax:400.0000V Vop:220.0000V Vstr:55.00%(Calc=Vop/Vmax) Trise:10.00			
CDM10017	Capacitor	1	C114
TFR= 3.93289 [0.04%] FR= 3.93289 CF= 1.00000 T= 50.00C S=82.00% PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 3.7136 1.0591 1.0 1.00000 Ceramic 0.100000 uF QuLev:II Vmax:500.0000V Vop:410.0000V Vstr:82.00%(Calc=Vop/Vmax) Trise:10.00			
CGL47046	Capacitor	1	C421
TFR= 6.27836 [0.06%] FR= 6.27836 CF= 1.00000 T= 46.00C S=79.37% PIFY=1.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 5.6550 1.1102 1.0 1.00000 Plastic 0.470000 uF QuLev:II Vmax:630.0000V Vop:500.0000V Vstr:79.37%(Calc=Vop/Vmax) Trise:6.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
CGL47046	Capacitor	2	C423, C109
TFR= 0.116218 [0.00%] FR= 0.058109 CF= 1.00000 T= 46.00C S=0.0% PIFY=25.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.0523 1.1102 1.0 1.00000 Plastic 0.470000 uF QuLev:II Vmax:630.0000V Vop:0.0V Vstr:0.0%(Calc=Vop/Vmax) Trise:6.00			
CGM47065	Capacitor	1	C103,C104
TFR= 16.8251 [0.17%] FR= 16.8251 CF= 1.00000 T= 45.00C S=96.36% PIFY=1.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 15.417 1.0913 1.0 1.00000 Plastic 0.470000 uF QuLev:II Vmax:275.0000V Vop:265.0000V Vstr:96.36%(Calc=Vop/Vmax) Trise:5.00			
CGM47065	Capacitor	1	C104
TFR=117.5883 [1.16%] FR=117.5883 CF= 1.00000 T= 60.00C S=88.00% PIFY=1.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 9.4121 1.2493 1.0 1.00000 Paper/Plastic 2.20000 uF QuLev:II Vmax:250.0000V Vop:220.0000V Vstr:88.00%(Calc=Vop/Vmax) Trise:20.00			
CGN10015	Capacitor	1	C103
TFR=117.5883 [1.16%] FR=117.5883 CF= 1.00000 T= 60.00C S=88.00% PIFY=1.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 9.4121 1.2493 1.0 1.00000 Paper/Plastic 2.20000 uF QuLev:II Vmax:250.0000V Vop:220.0000V Vstr:88.00%(Calc=Vop/Vmax) Trise:20.00			
CKL68009	Capacitor	1	C118
TFR= 21.5282 [0.21%] FR= 21.5282 CF= 1.00000 T= 60.00C S=96.36% PIFY=1.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 15.417 1.3964 1.0 1.00000 Plastic 0.068000 uF QuLev:II Vmax:275.0000V Vop:265.0000V Vstr:96.36%(Calc=Vop/Vmax) Trise:20.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
CR33338	Capacitor	1	C115
TFR= 43.8732 [0.43%] FR= 43.8732 CF= 1.00000 T= 56.00C S=23.81% PIFY=3.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 40.0 1.0 0.5334 2.0565 1.0 1.00000 Aluminum,ChassisMount 330.0000 uF QuLev:II Vmax:63.0000V Vop:15.0000V Vstr:23.81%(Calc=Vop/Vmax) Trise:16.00			
SCBP100743	Capacitor	1	C463
TFR= 1.28442 [0.01%] FR= 1.28442 CF= 1.00000 T= 50.00C S=6.25% PIFY=9.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 5.0 1.0 0.2163 1.1878 1.0 1.00000 Tantalum,SolidNonHermetic 10.0000 uF QuLev:II Vmax:16.0000V Vop:1.00000V Vstr:6.25%(Calc=Vop/Vmax) Trise:10.00			
SCBP100743	Capacitor	1	C475
TFR= 3.08117 [0.03%] FR= 3.08117 CF= 1.00000 T= 50.00C S=31.25% PIFY=5.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 5.0 1.0 0.5188 1.1878 1.0 1.00000 Tantalum,SolidNonHermetic 10.0000 uF QuLev:II Vmax:16.0000V Vop:5.00000V Vstr:31.25%(Calc=Vop/Vmax) Trise:10.00			
SCBP100743	Capacitor	2	C491,C494
TFR= 7.02663 [0.07%] FR= 3.51332 CF= 1.00000 T= 50.00C S=35.00% PIFY=4.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 5.0 1.0 0.5916 1.1878 1.0 1.00000 Tantalum,SolidNonHermetic 10.0000 uF QuLev:II Vmax:16.0000V Vop:5.60000V Vstr:35.00%(Calc=Vop/Vmax) Trise:10.00			
SCBP220384	Capacitor	2	C447,C143
TFR= 7.57389 [0.08%] FR= 3.78695 CF= 1.00000 T= 50.00C S=37.14% PIFY=4.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 5.0 1.0 0.6376 1.1878 1.0 1.00000 Tantalum,SolidNonHermetic 22.0000 uF QuLev:II Vmax:35.0000V Vop:13.0000V Vstr:37.14%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCBP220384	Capacitor	1	C466
TFR= 4.18522 [0.04%] FR= 4.18522 CF= 1.00000 T= 50.00C S=40.00% PIFY=4.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 5.0 1.0 0.7047 1.1878 1.0 1.00000 Tantalum,SolidNonHermetic 22.0000 uF QuLev:II Vmax:35.0000V Vop:14.0000V Vstr:40.00%(Calc=Vop/Vmax) Trise:10.00			
SCDH500198	Capacitor	4	C436,C444,C450,C452
TFR= 1.58355 [0.02%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 50.0000 pf QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDH500198	Capacitor	1	C455
TFR= 0.205435 [0.00%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 50.0000 pf QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	1	C140
TFR= 0.232323 [0.00%] FR= 0.232323 CF= 1.00000 T= 50.00C S=13.00% PIFY=10.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2194 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:13.0000V Vstr:13.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	1	C152
TFR= 0.167357 [0.00%] FR= 0.167357 CF= 1.00000 T= 50.00C S=5.00% PIFY=12.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1580 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:5.00000V Vstr:5.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDJ100252	Capacitor	1	C154
TFR= 0.175797 [0.00%] FR= 0.175797 CF= 1.00000 T= 50.00C S=6.20% PIFY=12.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1660 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:6.20000V Vstr:6.20%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	1	C407
TFR= 0.142043 [0.00%] FR= 0.142043 CF= 1.00000 T= 50.00C S=1.00% PIFY=14.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1341 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:1.00000V Vstr:1.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	4	C409,C435,C439,C446
TFR= 0.929293 [0.01%] FR= 0.232323 CF= 1.00000 T= 50.00C S=13.00% PIFY=10.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2194 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:13.0000V Vstr:13.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	1	C454
TFR= 0.167357 [0.00%] FR= 0.167357 CF= 1.00000 T= 50.00C S=5.00% PIFY=12.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1580 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:5.00000V Vstr:5.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	1	C457
TFR= 0.189261 [0.00%] FR= 0.189261 CF= 1.00000 T= 50.00C S=8.00% PIFY=11.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1787 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:8.00000V Vstr:8.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDJ100252	Capacitor	1	C464
TFR= 0.174361 [0.00%] FR= 0.174361 CF= 1.00000 T= 50.00C S=6.00% PIFY=12.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1646 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:6.00000V Vstr:6.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	1	C479
TFR= 0.142043 [0.00%] FR= 0.142043 CF= 1.00000 T= 50.00C S=1.00% PIFY=14.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1341 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:1.00000V Vstr:1.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ100252	Capacitor	2	C492, C493
TFR= 0.394365 [0.00%] FR= 0.197182 CF= 1.00000 T= 50.00C S=9.00% PIFY=11.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1862 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:100.0000V Vop:9.00000V Vstr:9.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ101230	Capacitor	1	C909
TFR= 2.50521 [0.02%] FR= 2.50521 CF= 1.00000 T= 50.00C S=71.00% PIFY=2.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 2.3655 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:1000.0000V Vop:710.0000V Vstr:71.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ330123	Capacitor	1	C132
TFR= 0.309553 [0.00%] FR= 0.309553 CF= 1.00000 T= 50.00C S=20.00% PIFY=8.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2923 1.0591 1.0 1.00000 Ceramic 330.0000 pf QuLev:II Vmax:50.0000V Vop:10.0000V Vstr:20.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDJ330123	Capacitor	1	C150
TFR= 0.205435 [0.00%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 330.0000 pf QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ330123	Capacitor	2	C433, C434
TFR= 0.791774 [0.01%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 330.0000 pf QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ330123	Capacitor	1	C473
TFR= 0.197182 [0.00%] FR= 0.197182 CF= 1.00000 T= 50.00C S=9.00% PIFY=11.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1862 1.0591 1.0 1.00000 Ceramic 330.0000 pf QuLev:II Vmax:50.0000V Vop:4.50000V Vstr:9.00%(Calc=Vop/Vmax) Trise:10.00			
SCDJ470433	Capacitor	2	C480, C490
TFR= 12.3483 [0.12%] FR= 6.17417 CF= 1.00000 T= 50.00C S=93.00% PIFY=1.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 5.8299 1.0591 1.0 1.00000 Ceramic 470.0000 pf QuLev:II Vmax:100.0000V Vop:93.0000V Vstr:93.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK100142	Capacitor	1	C121
TFR= 0.215795 [0.00%] FR= 0.215795 CF= 1.00000 T= 50.00C S=11.20% PIFY=10.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2038 1.0591 1.0 1.00000 Ceramic 1000.0000 pf QuLev:II Vmax:50.0000V Vop:5.60000V Vstr:11.20%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDK100142	Capacitor	1	C133
TFR= 0.147988 [0.00%] FR= 0.147988 CF= 1.00000 T= 50.00C S=2.00% PIFY=13.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1397 1.0591 1.0 1.00000 Ceramic 1000.0000 pf QuLev:II Vmax:50.0000V Vop:1.00000V Vstr:2.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK100142	Capacitor	5	C135,C137,C139,C144,C151
TFR= 1.02717 [0.01%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 1000.0000 pf QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK100142	Capacitor	1	C145
TFR= 0.147988 [0.00%] FR= 0.147988 CF= 1.00000 T= 50.00C S=2.00% PIFY=13.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1397 1.0591 1.0 1.00000 Ceramic 1000.0000 pf QuLev:II Vmax:50.0000V Vop:1.00000V Vstr:2.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK100142	Capacitor	1	C408
TFR= 0.285183 [0.00%] FR= 0.285183 CF= 1.00000 T= 50.00C S=18.00% PIFY=9.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2693 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:50.0000V Vop:9.00000V Vstr:18.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK100142	Capacitor	3	C453,C459,C460
TFR= 0.616305 [0.01%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 100.0000 pf QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDK100142	Capacitor	1	C900
TFR= 0.167357 [0.00%] FR= 0.167357 CF= 1.00000 T= 50.00C S=5.00% PIFY=12.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1580 1.0591 1.0 1.00000 Ceramic 1000.0000 pf QuLev:II Vmax:50.0000V Vop:2.50000V Vstr:5.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK100142	Capacitor	3	C903, C904, C911
TFR= 1.18766 [0.01%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 1000.0000 pf QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK220144	Capacitor	1	C129
TFR= 0.205435 [0.00%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 2200.0000 pf QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK220144	Capacitor	1	C134
TFR= 0.147988 [0.00%] FR= 0.147988 CF= 1.00000 T= 50.00C S=2.00% PIFY=13.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1397 1.0591 1.0 1.00000 Ceramic 2200.0000 pf QuLev:II Vmax:50.0000V Vop:1.00000V Vstr:2.00%(Calc=Vop/Vmax) Trise:10.00			
SCDK220144	Capacitor	1	C155
TFR= 0.226678 [0.00%] FR= 0.226678 CF= 1.00000 T= 50.00C S=12.40% PIFY=10.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2140 1.0591 1.0 1.00000 Ceramic 2200.0000 pf QuLev:II Vmax:50.0000V Vop:6.20000V Vstr:12.40%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDL100006	Capacitor	1	C412
TFR= 0.197182 [0.00%] FR= 0.197182 CF= 1.00000 T= 50.00C S=9.00% PIFY=11.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1862 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:4.50000V Vstr:9.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL100006	Capacitor	1	C415
TFR= 1.51919 [0.02%] FR= 1.51919 CF= 1.00000 T= 50.00C S=58.80% PIFY=2.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.4345 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:29.4000V Vstr:58.80%(Calc=Vop/Vmax) Trise:10.00			
SCDL100006	Capacitor	4	C420,C422,C448,C486
TFR= 1.58355 [0.02%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL100006	Capacitor	2	C437, C471
TFR= 0.334714 [0.00%] FR= 0.167357 CF= 1.00000 T= 50.00C S=5.00% PIFY=12.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1580 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:2.50000V Vstr:5.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL100006	Capacitor	1	C456
TFR= 0.147988 [0.00%] FR= 0.147988 CF= 1.00000 T= 50.00C S=2.00% PIFY=13.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1397 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:1.00000V Vstr:2.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDL100006	Capacitor	3	C462, C476, C481
TFR= 0.855548 [0.01%] FR= 0.285183 CF= 1.00000 T= 50.00C S=18.00% PIFY=9.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2693 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:9.00000V Vstr:18.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL100434	Capacitor	2	C425, C426
TFR= 2.11810 [0.02%] FR= 1.05905 CF= 1.00000 T= 50.00C S=50.00% PIFY=3.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.0000 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:1000.000V Vop:500.0000V Vstr:50.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL100434	Capacitor	4	C429,C431,C472,C497
TFR= 2.92902 [0.03%] FR= 0.732255 CF= 1.00000 T= 50.00C S=41.00% PIFY=4.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6914 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:1000.000V Vop:410.0000V Vstr:41.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL100434	Capacitor	3	C910, C913, C914
TFR= 2.19677 [0.02%] FR= 0.732255 CF= 1.00000 T= 50.00C S=41.00% PIFY=4.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.6914 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:1000.000V Vop:410.0000V Vstr:41.00%(Calc=Vop/Vmax) Trise:10.00			
SCDL220191	Capacitor	1	C156
TFR= 0.205435 [0.00%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 0.022000 uF QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDL470145	Capacitor	1	C131
TFR= 0.205435 [0.00%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 0.047000 uF QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM100007	Capacitor	1	C119
TFR= 0.395887 [0.00%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 0.100000 uF QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM100007	Capacitor	1	C125
TFR= 0.336006 [0.00%] FR= 0.336006 CF= 1.00000 T= 50.00C S=22.00% PIFY=8.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3173 1.0591 1.0 1.00000 Ceramic 0.100000 uF QuLev:II Vmax:50.0000V Vop:11.0000V Vstr:22.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM100007	Capacitor	2	C127, C147
TFR= 0.410870 [0.00%] FR= 0.205435 CF= 1.00000 T= 50.00C S=10.00% PIFY=11.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1940 1.0591 1.0 1.00000 Ceramic 0.100000 uF QuLev:II Vmax:50.0000V Vop:5.00000V Vstr:10.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM100007	Capacitor	2	C418, C470
TFR= 0.453355 [0.00%] FR= 0.226678 CF= 1.00000 T= 50.00C S=12.40% PIFY=10.5 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2140 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:6.20000V Vstr:12.40%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDM100007	Capacitor	1	C478
TFR= 0.395887 [0.00%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM100007	Capacitor	1	C487
TFR= 0.215795 [0.00%] FR= 0.215795 CF= 1.00000 T= 50.00C S=11.20% PIFY=10.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2038 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:5.60000V Vstr:11.20%(Calc=Vop/Vmax) Trise:10.00			
SCDM100007	Capacitor	1	C499
TFR= 0.285183 [0.00%] FR= 0.285183 CF= 1.00000 T= 50.00C S=18.00% PIFY=9.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2693 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:50.0000V Vop:9.00000V Vstr:18.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM100146	Capacitor	1	C465
TFR= 0.898862 [0.01%] FR= 0.898862 CF= 1.00000 T= 50.00C S=46.00% PIFY=4.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.8487 1.0591 1.0 1.00000 Ceramic 0.010000 uF QuLev:II Vmax:100.0000V Vop:46.0000V Vstr:46.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	1	C120
TFR= 0.215795 [0.00%] FR= 0.215795 CF= 1.00000 T= 50.00C S=11.20% PIFY=10.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2038 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:5.60000V Vstr:11.20%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDM470092	Capacitor	1	C124
TFR= 0.336006 [0.00%] FR= 0.336006 CF= 1.00000 T= 50.00C S=22.00% PIFY=8.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3173 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:11.0000V Vstr:22.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	1	C136
TFR= 0.466440 [0.00%] FR= 0.466440 CF= 1.00000 T= 50.00C S=30.00% PIFY=6.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4404 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:15.0000V Vstr:30.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	1	C148
TFR= 0.395887 [0.00%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	1	C419
TFR= 0.285183 [0.00%] FR= 0.285183 CF= 1.00000 T= 50.00C S=18.00% PIFY=9.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.2693 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:9.00000V Vstr:18.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	2	C427, C428
TFR= 0.295975 [0.00%] FR= 0.147988 CF= 1.00000 T= 50.00C S=2.00% PIFY=13.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1397 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:1.00000V Vstr:2.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDM470092	Capacitor	4	C430,C432,C438,C440
TFR= 1.58355 [0.02%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	4	C469,C482,C483,C484
TFR= 6.07674 [0.06%] FR= 1.51919 CF= 1.00000 T= 50.00C S=58.80% PIFY=2.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.4345 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:29.4000V Vstr:58.80%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	2	C496, C498
TFR= 3.03837 [0.03%] FR= 1.51919 CF= 1.00000 T= 50.00C S=58.80% PIFY=2.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.4345 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:29.4000V Vstr:58.80%(Calc=Vop/Vmax) Trise:10.00			
SCDM470092	Capacitor	1	C912
TFR= 0.395887 [0.00%] FR= 0.395887 CF= 1.00000 T= 50.00C S=26.00% PIFY=7.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3738 1.0591 1.0 1.00000 Ceramic 0.470000 uF QuLev:II Vmax:50.0000V Vop:13.0000V Vstr:26.00%(Calc=Vop/Vmax) Trise:10.00			
SCDN100440	Capacitor	1	C153
TFR= 0.351867 [0.00%] FR= 0.351867 CF= 1.00000 T= 50.00C S=23.13% PIFY=7.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.3322 1.0591 1.0 1.00000 Ceramic 1.000000 uF QuLev:II Vmax:16.0000V Vop:3.70000V Vstr:23.13%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDN100440	Capacitor	2	C441, C451
TFR= 0.981936 [0.01%] FR= 0.490968 CF= 1.00000 T= 50.00C S=31.25% PIFY=6.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.4636 1.0591 1.0 1.00000 Ceramic 1.00000 uF QuLev:II Vmax:16.0000V Vop:5.00000V Vstr:31.25%(Calc=Vop/Vmax) Trise:10.00			
SCDN100440	Capacitor	2	C489, C495
TFR= 2.73675 [0.03%] FR= 1.36838 CF= 1.00000 T= 50.00C S=56.25% PIFY=3.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.2921 1.0591 1.0 1.00000 Ceramic 1.00000 uF QuLev:II Vmax:16.0000V Vop:9.00000V Vstr:56.25%(Calc=Vop/Vmax) Trise:10.00			
SCDN220372	Capacitor	2	C128, C159
TFR= 16.4532 [0.16%] FR= 8.22661 CF= 1.00000 T= 50.00C S=100.0% PIFY=1.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 7.7679 1.0591 1.0 1.00000 Ceramic 2.20000 uF QuLev:II Vmax:10.0000V Vop:10.0000V Vstr:100.0%(Calc=Vop/Vmax) Trise:10.00			
SCDN220372	Capacitor	2	C130, C157
TFR= 2.11810 [0.02%] FR= 1.05905 CF= 1.00000 T= 50.00C S=50.00% PIFY=3.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.0000 1.0591 1.0 1.00000 Ceramic 2.20000 uF QuLev:II Vmax:10.0000V Vop:5.00000V Vstr:50.00%(Calc=Vop/Vmax) Trise:10.00			
SCDN220372	Capacitor	1	C138
TFR= 0.167357 [0.00%] FR= 0.167357 CF= 1.00000 T= 50.00C S=5.00% PIFY=12.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 0.1580 1.0591 1.0 1.00000 Ceramic 2.20000 uF QuLev:II Vmax:10.0000V Vop:0.50000V Vstr:5.00%(Calc=Vop/Vmax) Trise:10.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
SCDN220372	Capacitor	1	C160
TFR= 3.62326 [0.04%] FR= 3.62326 CF= 1.00000 T= 50.00C S=80.00% PIFY=1.8 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 3.4212 1.0591 1.0 1.00000 Ceramic 2.20000 uF QuLev:II Vmax:10.0000V Vop:8.00000V Vstr:80.00%(Calc=Vop/Vmax) Trise:10.00			
SCDN220372	Capacitor	2	C406, C467
TFR= 2.11810 [0.02%] FR= 1.05905 CF= 1.00000 T= 50.00C S=50.00% PIFY=3.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.0000 1.0591 1.0 1.00000 Ceramic 2.20000 uF QuLev:II Vmax:10.0000V Vop:5.00000V Vstr:50.00%(Calc=Vop/Vmax) Trise:10.00			
SCDN220372	Capacitor	2	C466, C485
TFR= 2.60003 [0.03%] FR= 1.30001 CF= 1.00000 T= 50.00C S=55.00% PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 1.0 1.0 1.2275 1.0591 1.0 1.00000 Ceramic 2.20000 uF QuLev:II Vmax:10.0000V Vop:5.50000V Vstr:55.00%(Calc=Vop/Vmax) Trise:10.00			
ARA00016A	Inductive	1	T400
TFR= 21.4571 [0.21%] FR= 21.4571 CF= 1.00000 T= 47.00C PIFY=3.4 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.1293 1.0 1.00000 Transformer,Power QuLev:II Trise:7.00			
ARA00373A	Inductive	1	T401
TFR= 26.5319 [0.26%] FR= 26.5319 CF= 1.00000 T= 60.00C PIFY=3.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.3964 1.0 1.00000 Transformer,Power QuLev:II Trise:20.00			
ARA00407A	Inductive	1	L400
TFR= 26.5319 [0.26%] FR= 26.5319 CF= 1.00000 T= 60.00C PIFY=3.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.3964 1.0 1.00000 Coil,PowerFilter QuLev:II Trise:20.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
ARA00409A	Inductive	1	L401
TFR= 27.3726 [0.27%] FR= 27.3726 CF= 1.00000 T= 62.00C PIFY=2.9 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.4407 1.0 1.00000 Coil,PowerFilter QuLev:II Trise:22.00			
ARA00418	Inductive	1	T101
TFR= 23.3294 [0.23%] FR= 23.3294 CF= 1.00000 T= 52.00C PIFY=3.2 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.2279 1.0 1.00000 Transformer,Power QuLev:II Trise:12.00			
ARA00434	Inductive	1	L101
TFR= 32.7590 [0.32%] FR= 32.7590 CF= 1.00000 T= 74.00C PIFY=2.6 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.7242 1.0 1.00000 Coil,PowerFilter QuLev:II Trise:34.00			
ARA00434	Inductive	1	L102
TFR= 43.6128 [0.43%] FR= 43.6128 CF= 1.00000 T= 95.00C PIFY=2.3 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 2.2954 1.0 1.00000 Coil,PowerFilter QuLev:II Trise:55.00			
ARA00450	Inductive	1	L103
TFR= 24.5003 [0.24%] FR= 24.5003 CF= 1.00000 T= 55.00C PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.2895 1.0 1.00000 Coil,PowerFilter QuLev:II Trise:15.00			
ARA00450	Inductive	1	L104
TFR= 24.5003 [0.24%] FR= 24.5003 CF= 1.00000 T= 55.00C PIFY=3.1 FR= LG * PIQ * PIS * PIT * PIE * PICF 19.0 1.0 1.0000 1.2895 1.0 1.00000 Coil,PowerFilter QuLev:II Trise:15.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
FAB60024	RotatingDevice	1	FAN
TFR=300.0000 [2.97%] FR=300.0000 CF= 1.00000 T= 40.00C PIFY=3.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 100.0 3.0 1.0000 1.0000 1.0 1.00000 FanAssembly QuLev:I			
FEJ11062	Relay	1	K101
TFR=385.5535 [3.82%] FR=385.5535 CF= 1.00000 T= 70.00C S=40.00% PIFY=3.0 FR= LG * PIQ * PIS * PIT * PIE * PICF 270.0 1.0 0.8781 1.6262 1.0 1.00000 Contactor QuLev:II Trise:30.00 Imax:20.0000A Iop:8.00000A Istr:40.00%(Calc=Iop/Imax)			
HAJ02265	Connector	1	J101
TFR= 36.5716 [0.36%] FR= 36.5716 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 10.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:2 QuLev:II Trise:30.00			
HKA03031	Connector	1	J105
TFR= 54.8575 [0.54%] FR= 54.8575 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 15.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:3 QuLev:II Trise:30.00			
HKA06065	Connector	4	J102,J104,J401,J402
TFR=438.8597 [4.35%] FR=109.7149 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 30.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:6 QuLev:II Trise:30.00			
HKA10063	Connector	1	J403
TFR=182.8582 [1.81%] FR=182.8582 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 50.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:10 QuLev:II Trise:30.00			

RelCalc for Windows, Version 5.0-BELL6 (Release 2000.1)

Company: Lambda Americas

DOC: LZSA1000.CIR RECORDS: 321

DESCRIPTION: LZSA1000

ENV: GB TEMP: 40.00 C CF: 1.00000 MODEL: Serial

FR= 10096.9694 FITs MTBF= 99039.6185 hrs. Parts= 546

BELLCORE CALCULATION METHOD: LimitedStress - Method I, Case 3 PIFY=2.1

PartNumber	PartType	Qty	RefDes
HKA10064	Connector	1	J406
TFR=182.8582 [1.81%] FR=182.8582 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 50.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:10 QuLev:II Trise:30.00			
HKA17004	Connector	1	J103
TFR=310.8590 [3.08%] FR=310.8590 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 85.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:17 QuLev:II Trise:30.00			
HKA17005	Connector	1	J106
TFR=310.8590 [3.08%] FR=310.8590 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 85.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:17 QuLev:II Trise:30.00			
SHKA171285	Connector	1	J900
TFR=274.2873 [2.72%] FR=274.2873 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 75.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:15 QuLev:II Trise:30.00			
SHKA171286	Connector	1	J901
TFR=274.2873 [2.72%] FR=274.2873 CF= 1.00000 T= 70.00C PIFY=1.7 FR= LG * PIQ * PIS * PIT * PIE * PICF 75.0 1.0 1.0000 3.6572 1.0 1.00000 GeneralPurpose,Power Pins:15 QuLev:II Trise:30.00			