

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 115V

Output: Full Load

Unit : ZPSA40-12

Ver: V10

Date: 2008/8/21

CAT	TYPE	Q'ty		$\lambda p$	$\lambda (\lambda p * Q'ty)$	%
5.1	Microcircuits	1	IC3	0.033	0.033	1.53
6.1	Diode, Fast	1	D1	0.020	0.020	0.94
6.1	Diode, General	1	BR1	0.001	0.001	0.05
6.1	Diode, General	1	D2	0.001	0.001	0.05
6.1	Diode, General	1	D3	0.001	0.001	0.05
6.1	Diode, Schottky	2	D4, D5	0.001	0.003	0.12
6.1	Voltage Regulator	1	IC2	0.011	0.011	0.51
6.1	Diode, Zener	3	ZD1, ZD3, ZD4	0.011	0.033	1.52
6.4	Transistor MOSFET	1	Q1	0.264	0.264	12.15
6.11	Optocoupler	1	IC1	0.072	0.072	3.29
6.11	Light Emitting Diode	1	LED	0.001	0.001	0.06
9.1	Resistor fixed	1	R1	0.001	0.001	0.03
9.1	Resistor fixed	1	R4	0.002	0.002	0.08
9.1	Resistor fixed	2	J1, J2	0.001	0.002	0.07
9.2	Resistor film	2	R2, R3	0.005	0.010	0.47
9.2	Resistor film	2	R9, R10	0.005	0.010	0.47
9.2	Resistor film	1	R11	0.004	0.004	0.17
9.2	Resistor film	1	R12	0.004	0.004	0.17
9.2	Resistor film	1	R13	0.003	0.003	0.14
9.2	Resistor film	1	R14	0.003	0.003	0.15
9.2	Resistor film	1	R15	0.003	0.003	0.14
9.2	Resistor film	1	R16	0.003	0.003	0.14
9.2	Resistor film	1	R17	0.003	0.003	0.15
9.2	Resistor film	1	R18	0.003	0.003	0.14
9.2	Resistor film	1	R20	0.003	0.003	0.14
9.2	Resistor film	1	R21	0.003	0.003	0.15
9.2	Resistor film	1	R22	0.003	0.003	0.16
9.2	Resistor film	1	R23	0.003	0.003	0.16
9.2	Resistor film	1	R24	0.003	0.003	0.14
9.2	Resistor film	2	R27, R27A	0.004	0.007	0.34
9.2	Resistor film	1	ZD2	0.003	0.003	0.14
9.8	Resistor thermistor	1	TH1	0.065	0.065	2.99
9.9	Resistor Variable	1	VR1	0.133	0.133	6.11
10.5	Capacitor metallized	1	Z1	0.017	0.017	0.79
10.1	Capacitor ceramic	1	C1	0.006	0.006	0.26
10.1	Capacitor ceramic	1	C2	0.012	0.012	0.57

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CAT	TYPE	Q'ty		$\lambda p$	$\lambda (\lambda p * Q'ty)$	%
10.1	Capacitor ceramic	1	C6A	0.014	0.014	0.63
10.1	Capacitor ceramic	1	C10	0.006	0.006	0.30
10.1	Capacitor ceramic	1	C11	0.008	0.008	0.38
10.1	Capacitor ceramic	1	C12	0.006	0.006	0.26
10.1	Capacitor ceramic	1	C13	0.004	0.004	0.20
10.1	Capacitor ceramic	1	C14	0.006	0.006	0.26
10.1	Capacitor ceramic	1	C15	0.061	0.061	2.79
10.1	Capacitor ceramic	1	CX1	0.034	0.034	1.55
10.1	Capacitor ceramic	3	CY1,CY2,CY3	0.030	0.091	4.19
10.14	Capacitor electrolytic	4	C3,C4,C5,C7	0.218	0.871	40.08
10.14	Capacitor electrolytic	1	C6	0.143	0.143	6.59
10.14	Capacitor electrolytic	1	C9	0.063	0.063	2.89
11.1	Transformer	1	T1	0.066	0.066	3.04
11.2	Inductive	2	L1,L2	0.008	0.017	0.77
22.1	Fuses	1	F1	0.010	0.010	0.46
16.1	Circuit Board	1	PCB	0.001	0.001	0.02
17.1	Joint hand soldered	2	CON1,CON2	0.000	0.001	0.03
17.1	Joint machine soldered	157		0.000	0.022	1.00
Component Count =		67		Total FR =	2.1737	
				MTBF =	460,050	Hours
					MTBF=(1/Total FR)*10 <sup>6</sup> Hours	