

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 115V

Output: Full Load

Unit : ZPSA60-5

Ver: V10

Date: 2008/8/21

CAT	TYPE	Q'ty		λp	$\lambda (\lambda p * Q'ty)$	%
5.1	Microcircuits	1	IC3	0.033	0.033	1.58
6.1	Diode, Fast	1	D1	0.020	0.020	0.97
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	0.004	0.008	0.37
6.1	Voltage Regulator	1	IC2	0.011	0.011	0.52
6.1	Diode, Zener	3	ZD1, ZD3, ZD4	0.011	0.033	1.57
6.4	Transistor MOSFET	1	Q1	0.528	0.528	25.05
6.11	Optocoupler	1	IC1	0.072	0.072	3.39
6.11	Light Emitting Diode	1	LED	0.001	0.001	0.06
9.1	Resistor fixed	1	R1	0.001	0.001	0.04
9.1	Resistor fixed	1	R4	0.001	0.001	0.05
9.1	Resistor fixed	1	R28	0.001	0.001	0.04
9.1	Resistor fixed	2	J1, J2	0.001	0.002	0.07
9.2	Resistor film	2	R2, R3	0.005	0.010	0.48
9.2	Resistor film	2	R9, R10	0.005	0.010	0.48
9.2	Resistor film	1	R11	0.004	0.004	0.18
9.2	Resistor film	1	R12	0.004	0.004	0.18
9.2	Resistor film	1	R13	0.003	0.003	0.15
9.2	Resistor film	1	R14	0.003	0.003	0.15
9.2	Resistor film	1	R15	0.003	0.003	0.15
9.2	Resistor film	1	R16	0.003	0.003	0.15
9.2	Resistor film	1	R17	0.003	0.003	0.15
9.2	Resistor film	1	R18	0.003	0.003	0.15
9.2	Resistor film	1	R20	0.003	0.003	0.15
9.2	Resistor film	1	R21	0.003	0.003	0.15
9.2	Resistor film	1	R22	0.004	0.004	0.17
9.2	Resistor film	1	R23	0.004	0.004	0.17
9.2	Resistor film	1	R24	0.003	0.003	0.15
9.2	Resistor film	2	R27, R27A	0.003	0.007	0.31
9.2	Resistor film	1	ZD2	0.003	0.003	0.15
9.8	Resistor thermistor	1	TH1	0.065	0.065	3.08
9.9	Resistor Variable	1	VR1	0.133	0.133	6.30
10.5	Capacitor metallized	1	Z1	0.017	0.017	0.81
10.1	Capacitor ceramic	1	C1	0.012	0.012	0.59

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CAT	TYPE	Q'ty		λp	$\lambda (\lambda p * Q'ty)$	%
10.1	Capacitor ceramic	1	C2	0.013	0.013	0.61
10.1	Capacitor ceramic	1	C6A	0.014	0.014	0.65
10.1	Capacitor ceramic	1	C10	0.006	0.006	0.26
10.1	Capacitor ceramic	1	C11	0.007	0.007	0.34
10.1	Capacitor ceramic	1	C12	0.006	0.006	0.29
10.1	Capacitor ceramic	1	C13	0.004	0.004	0.20
10.1	Capacitor ceramic	1	C14	0.006	0.006	0.27
10.1	Capacitor ceramic	1	C15	0.086	0.086	4.09
10.1	Capacitor ceramic	1	CX1	0.034	0.034	1.60
10.1	Capacitor ceramic	3	CY1,CY2,CY3	0.030	0.091	4.32
10.14	Capacitor electrolytic	4	C3,C4,C5,C7	0.123	0.492	23.33
10.14	Capacitor electrolytic	1	C6	0.154	0.154	7.31
10.14	Capacitor electrolytic	1	C9	0.065	0.065	3.09
11.1	Transformer	1	T1	0.066	0.066	3.14
11.2	Inductive	2	L1,L2	0.008	0.017	0.79
22.1	Fuses	1	F1	0.010	0.010	0.47
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	159		0.000	0.022	1.04
Component Count =		68		Total FR =	2.1077	
				MTBF =	474,441	Hours
					MTBF=(1/Total FR)*10 ⁶ Hours	