

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 115V

Output: 0.5A

Unit : KPSA15-15

Ver: V10

Date: 2008/10/22

CAT	TYPE	Q'ty		λp	$\lambda(\lambda p * Q'ty)$	%
5.1	Microcircuits	1	IC3	0.0332	0.0332	2.20
6.1	Diode, Fast	1	D1	0.0205	0.0205	1.35
6.1	Diode, Fast	1	D2	0.0205	0.0205	1.35
6.1	Diode, Fast	1	D4	0.0205	0.0205	1.35
6.1	Diode,General	1	BR1	0.0011	0.0011	0.07
6.1	Diode,General	1	D5	0.0011	0.0011	0.07
6.1	Diode,General	1	D6	0.0011	0.0011	0.07
6.1	Voltage Regulator	1	IC2	0.0110	0.0110	0.73
6.1	Diode,Zener	1	ZD1	0.0110	0.0110	0.73
6.4	Transistor MOSFET	1	Q1	0.2640	0.2640	17.46
6.11	Optocoupler	1	IC1	0.0715	0.0715	4.73
6.11	Light Emitting Diode	1	LED1	0.0013	0.0013	0.08
9.2	Resistor film	1	R1	0.0031	0.0031	0.21
9.2	Resistor film	1	R3	0.0040	0.0040	0.26
9.2	Resistor film	1	R5	0.0036	0.0036	0.23
9.2	Resistor film	1	R7	0.0031	0.0031	0.21
9.2	Resistor film	1	R8	0.0032	0.0032	0.21
9.2	Resistor film	1	R9	0.0035	0.0035	0.23
9.2	Resistor film	1	R10	0.0035	0.0035	0.23
9.2	Resistor film	1	R11	0.0035	0.0035	0.23
9.2	Resistor film	1	R13	0.0031	0.0031	0.21
9.2	Resistor film	1	R14	0.0031	0.0031	0.21
9.2	Resistor film	1	R15	0.0031	0.0031	0.21
9.2	Resistor film	1	R16	0.0031	0.0031	0.21
9.2	Resistor film	1	R17	0.0031	0.0031	0.21
9.2	Resistor film	1	R18	0.0032	0.0032	0.21
9.2	Resistor film	1	R19	0.0032	0.0032	0.21
9.2	Resistor film	1	R20	0.0031	0.0031	0.21
9.2	Resistor film	1	ZD2	0.0031	0.0031	0.21
9.8	Resistor thermistor	1	TH1	0.0650	0.0650	4.30
9.9	Resistor Variable	1	VR1	0.1328	0.1328	8.78
10.5	Capacitor metallized	1	Z1	0.0288	0.0288	1.91
10.1	Capacitor ceramic	1	C1	0.0059	0.0059	0.39
10.1	Capacitor ceramic	1	C2	0.0064	0.0064	0.42
10.1	Capacitor ceramic	1	C7	0.0200	0.0200	1.32
10.1	Capacitor ceramic	1	C10	0.0069	0.0069	0.45
10.1	Capacitor ceramic	1	C11	0.0049	0.0049	0.33
10.1	Capacitor ceramic	1	C12	0.0056	0.0056	0.37
10.1	Capacitor ceramic	1	CX1	0.0342	0.0342	2.26

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CAT	TYPE	Q'ty		λ_p	$\lambda(\lambda_p*Q'ty)$	%
10.1	Capacitor ceramic	2	CY1,CY2	0.0067	0.0135	0.89
10.14	Capacitor electrolytic	1	C3	0.1133	0.1133	7.49
10.14	Capacitor electrolytic	1	C4	0.0780	0.0780	5.16
10.14	Capacitor electrolytic	1	C5,C6	0.2931	0.2931	19.38
10.14	Capacitor electrolytic	1	C9	0.0714	0.0714	4.72
11.1	Transformer	1	T1	0.0661	0.0661	4.37
11.2	Inductive	3	L1,L2,R12	0.0084	0.0251	1.66
22.1	Fuses	1	F1	0.0100	0.0100	0.66
16.1	Circuit Board	1	PCB	0.0005	0.0005	0.03
17.1	Joint hand soldered	4	Pin	0.0003	0.0011	0.07
17.1	Joint machine soldered	125		0.0001	0.0173	1.14
Component Count =		55		Total FR =	1.5124	
				MTBF =	661,181	Hours
				MTBF=(1/Failure Rate (FR))*10 ⁶ Hours		