

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 115V

Output: Full Load

Unit : KPSA10-12

Ver: V10

Date: 2008/7/1

CAT	TYPE	Q'ty		λp	$\lambda(\lambda p * Q'ty)$	%
5.1	Microcircuits	1	IC1	0.0332	0.0332	2.11
6.1	Diode, Fast	1	D3	0.0824	0.0824	5.23
6.1	Diode, Fast	1	D4	0.0205	0.0205	1.30
6.1	Diode,General	1	BR1	0.0011	0.0011	0.07
6.1	Diode,General	1	D1	0.0011	0.0011	0.07
6.1	Diode,General	1	D2	0.0011	0.0011	0.07
6.1	Voltage Regulator	1	IC3	0.0110	0.0110	0.70
6.1	Diode,Zener	1	ZD2	0.0110	0.0110	0.70
6.4	Transistor MOSFET	1	Q3	0.2640	0.2640	16.77
6.11	Optocoupler	1	IC2	0.0715	0.0715	4.54
6.11	Light Emitting Diode	1	LED1	0.0013	0.0013	0.08
9.2	Resistor film	1	R4	0.0036	0.0036	0.23
9.2	Resistor film	1	R5	0.0036	0.0036	0.23
9.2	Resistor film	1	R6	0.0036	0.0036	0.23
9.2	Resistor film	1	R7	0.0031	0.0031	0.20
9.2	Resistor film	1	R8	0.0031	0.0031	0.20
9.2	Resistor film	1	R9	0.0031	0.0031	0.20
9.2	Resistor film	1	R10	0.0079	0.0079	0.50
9.2	Resistor film	1	R11	0.0032	0.0032	0.21
9.2	Resistor film	1	R12	0.0033	0.0033	0.21
9.2	Resistor film	1	R13	0.0031	0.0031	0.20
9.2	Resistor film	1	R14	0.0031	0.0031	0.20
9.2	Resistor film	1	R15	0.0031	0.0031	0.20
9.2	Resistor film	1	R16	0.0031	0.0031	0.20
9.2	Resistor film	1	R18	0.0056	0.0056	0.35
9.2	Resistor film	1	R20	0.0032	0.0032	0.20
9.2	Resistor film	1	R21	0.0032	0.0032	0.20
9.2	Resistor film	1	ZD1	0.0031	0.0031	0.20
9.8	Resistor thermistor	1	TH1	0.0650	0.0650	4.13
9.9	Resistor Variable	1	VR1	0.1328	0.1328	8.44
10.5	Capacitor metallized	1	Z1	0.0288	0.0288	1.83
10.1	Capacitor ceramic	1	C3	0.0056	0.0056	0.36
10.1	Capacitor ceramic	1	C4	0.0056	0.0056	0.35
10.1	Capacitor ceramic	1	C5	0.0146	0.0146	0.93
10.1	Capacitor ceramic	1	C7	0.0057	0.0057	0.36
10.1	Capacitor ceramic	1	C11	0.0077	0.0077	0.49
10.1	Capacitor ceramic	1	CX1	0.0342	0.0342	2.17
10.1	Capacitor ceramic	2	CY1,CY2	0.0062	0.0123	0.78
10.14	Capacitor electrolytic	1	C1	0.0745	0.0745	4.73

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10.14	Capacitor electrolytic	1	C2	0.1021	0.1021	6.49
10.14	Capacitor electrolytic	1	C8	0.2025	0.2025	12.86
10.14	Capacitor electrolytic	1	C9	0.2025	0.2025	12.86
11.1	Transformer	1	T1	0.0661	0.0661	4.20
11.2	Inductive	3	L1,L2,R1	0.0084	0.0251	1.59
22.1	Fuses	1	F1	0.0100	0.0100	0.64
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	121		0.0001	0.0167	1.06
Component Count =		53		Total FR =	1.5740	
				MTBF =	635,319	Hours
				MTBF=(1/Failure Rate (FR))*10 ⁶ Hours		