

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 230V

Output: Full Load

Unit : KPSA05-15

Ver: V10

Date: 2008/7/4

CAT	TYPE	Q'ty		λ_p	$\lambda(\lambda_p * Q'ty)$	%
5.1	Microcircuits	1	IC1	0.0332	0.0332	1.68
6.1	Diode, Fast	1	D3	0.0479	0.0479	2.42
6.1	Diode,General	1	BR1	0.0047	0.0047	0.24
6.1	Diode,General	1	D1	0.0048	0.0048	0.24
6.1	Diode,General	1	D2	0.0011	0.0011	0.06
6.1	Diode, Schottky	1	D4	0.0165	0.0165	0.83
6.1	Voltage Regulator	1	IC3	0.0110	0.0110	0.56
6.1	Diode,Zener	2	ZD2,ZD3	0.0110	0.0220	1.11
6.4	Transistor MOSFET	1	Q3	0.2640	0.2640	13.35
6.11	Optocoupler	1	IC2	0.0715	0.0715	3.62
6.11	Light Emitting Diode	1	LED1	0.0013	0.0013	0.06
9.1	Resistor fixed	1	R7	0.0008	0.0008	0.04
9.2	Resistor film	1	R1	0.0031	0.0031	0.16
9.2	Resistor film	1	R4	0.0040	0.0040	0.20
9.2	Resistor film	1	R5	0.0039	0.0039	0.20
9.2	Resistor film	1	R6	0.0039	0.0039	0.20
9.2	Resistor film	1	R8	0.0031	0.0031	0.16
9.2	Resistor film	1	R9	0.0031	0.0031	0.16
9.2	Resistor film	1	R10	0.0053	0.0053	0.27
9.2	Resistor film	1	R11	0.0031	0.0031	0.16
9.2	Resistor film	1	R12	0.0031	0.0031	0.16
9.2	Resistor film	1	R13	0.0031	0.0031	0.16
9.2	Resistor film	1	R14	0.0031	0.0031	0.16
9.2	Resistor film	1	R15	0.0032	0.0032	0.16
9.2	Resistor film	1	R16	0.0031	0.0031	0.16
9.2	Resistor film	1	R18	0.0039	0.0039	0.20
9.2	Resistor film	1	R20	0.0037	0.0037	0.19
9.2	Resistor film	1	R21	0.0032	0.0032	0.16
9.2	Resistor film	1	ZD1	0.0031	0.0031	0.16
9.8	Resistor thermistor	1	TH1	0.0650	0.0650	3.29
9.9	Resistor Variable	1	VR1	0.1328	0.1328	6.72
10.1	Capacitor ceramic	1	C3	0.0072	0.0072	0.37
10.1	Capacitor ceramic	1	C4	0.0061	0.0061	0.31
10.1	Capacitor ceramic	1	C5	0.0092	0.0092	0.46
10.1	Capacitor ceramic	1	C7	0.0180	0.0180	0.91
10.1	Capacitor ceramic	1	C11	0.0118	0.0118	0.60
10.1	Capacitor ceramic	1	C12	0.0061	0.0061	0.31
10.1	Capacitor ceramic	1	C13	0.0061	0.0061	0.31
10.1	Capacitor ceramic	1	CX1	0.2092	0.2092	10.58

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10.1	Capacitor ceramic	2	CY1,CY2	0.0292	0.0584	2.95
10.14	Capacitor electrolytic	1	C1	0.0895	0.0895	4.53
10.14	Capacitor electrolytic	1	C2	0.1528	0.1528	7.73
10.14	Capacitor electrolytic	1	C8	0.2931	0.2931	14.82
10.14	Capacitor electrolytic	1	C9	0.2543	0.2543	12.86
11.1	Transformer	1	T1	0.0661	0.0661	3.34
11.2	Inductive	3	L1,L2,L3	0.0084	0.0251	1.27
22.1	Fuses	1	F1	0.0100	0.0100	0.51
16.1	Circuit Board	1	PCB	0.0005	0.0005	0.03
17.1	Joint hand soldered	4	Pin	0.0003	0.0011	0.06
17.1	Joint machine soldered	123		0.0001	0.0170	0.86
Component Count =		56		Total FR =	1.9772	
				MTBF =	505,762	Hours
				MTBF=(1/Failure Rate (FR))*10 ⁶ Hours		