

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 230V

Output: Full Load

Unit : KPSA05-3R3

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	2.03
6.1	Diode, Fast	1	D3	0.0535	0.0535	3.27
6.1	Diode,General	1	BR1	0.0047	0.0047	0.29
6.1	Diode,General	1	D1	0.0031	0.0031	0.19
6.1	Diode,General	1	D2	0.0011	0.0011	0.07
6.1	Diode, Schottky	1	D4	0.0048	0.0048	0.29
6.1	Voltage Regulator	1	IC3	0.0110	0.0110	0.67
6.1	Diode,Zener	2	ZD2,ZD3	0.0110	0.0220	1.35
6.4	Transistor MOSFET	1	Q3	0.2640	0.2640	16.14
6.11	Optocoupler	1	IC2	0.0715	0.0715	4.37
6.11	Light Emitting Diode	1	LED1	0.0013	0.0013	0.08
9.1	Resistor fixed	1	R7	0.0008	0.0008	0.05
9.2	Resistor film	1	R1	0.0031	0.0031	0.19
9.2	Resistor film	1	R4	0.0041	0.0041	0.25
9.2	Resistor film	1	R5	0.0039	0.0039	0.24
9.2	Resistor film	1	R6	0.0039	0.0039	0.24
9.2	Resistor film	1	R8	0.0031	0.0031	0.19
9.2	Resistor film	1	R9	0.0031	0.0031	0.19
9.2	Resistor film	1	R10	0.0064	0.0064	0.39
9.2	Resistor film	1	R11	0.0031	0.0031	0.19
9.2	Resistor film	1	R12	0.0031	0.0031	0.19
9.2	Resistor film	1	R13	0.0031	0.0031	0.19
9.2	Resistor film	1	R14	0.0031	0.0031	0.19
9.2	Resistor film	1	R15	0.0032	0.0032	0.19
9.2	Resistor film	1	R16	0.0031	0.0031	0.19
9.2	Resistor film	1	R18	0.0031	0.0031	0.19
9.2	Resistor film	1	R20	0.0031	0.0031	0.19
9.2	Resistor film	1	R21	0.0031	0.0031	0.19
9.2	Resistor film	1	ZD1	0.0031	0.0031	0.19
9.8	Resistor thermistor	1	TH1	0.0650	0.0650	3.97
9.9	Resistor Variable	1	VR1	0.1328	0.1328	8.12
10.1	Capacitor ceramic	1	C3	0.0073	0.0073	0.45
10.1	Capacitor ceramic	1	C4	0.0061	0.0061	0.37
10.1	Capacitor ceramic	1	C5	0.0124	0.0124	0.76
10.1	Capacitor ceramic	1	C7	0.0057	0.0057	0.35
10.1	Capacitor ceramic	1	C11	0.0072	0.0072	0.44
10.1	Capacitor ceramic	1	C12	0.0061	0.0061	0.37
10.1	Capacitor ceramic	1	C13	0.0061	0.0061	0.37
10.1	Capacitor ceramic	1	CX1	0.2092	0.2092	12.79

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10.1	Capacitor ceramic	2	CY1,CY2	0.0292	0.0584	3.57
10.14	Capacitor electrolytic	1	C1	0.0882	0.0882	5.39
10.14	Capacitor electrolytic	1	C2	0.1628	0.1628	9.95
10.14	Capacitor electrolytic	1	C8	0.1237	0.1237	7.56
10.14	Capacitor electrolytic	1	C9	0.0949	0.0949	5.80
11.1	Transformer	1	T1	0.0661	0.0661	4.04
11.2	Inductive	3	L1,L2,L3	0.0084	0.0251	1.53
22.1	Fuses	1	F1	0.0100	0.0100	0.61
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	123		0.0001	0.0170	1.04
Component Count =		56		Total FR =	1.6356	
				MTBF =	611,397	Hours
				MTBF=(1/Failure Rate (FR))*10 ⁶ Hours		