

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 230V

Output: Full Load

Unit : KPSA05-12

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	1.85
6.1	Diode, Fast	1	D3	0.0443	0.0443	2.46
6.1	Diode,General	1	BR1	0.0047	0.0047	0.26
6.1	Diode,General	1	D1	0.0020	0.0020	0.11
6.1	Diode,General	1	D2	0.0011	0.0011	0.06
6.1	Diode, Schottky	1	D4	0.0085	0.0085	0.47
6.1	Voltage Regulator	1	IC3	0.0110	0.0110	0.61
6.1	Diode,Zener	2	ZD2,ZD3	0.0110	0.0220	1.22
6.4	Transistor MOSFET	1	Q3	0.2640	0.2640	14.66
6.11	Optocoupler	1	IC2	0.0715	0.0715	3.97
6.11	Light Emitting Diode	1	LED1	0.0013	0.0013	0.07
9.1	Resistor fixed	1	R7	0.0008	0.0008	0.04
9.2	Resistor film	1	R1	0.0031	0.0031	0.17
9.2	Resistor film	1	R4	0.0040	0.0040	0.22
9.2	Resistor film	1	R5	0.0039	0.0039	0.22
9.2	Resistor film	1	R6	0.0039	0.0039	0.22
9.2	Resistor film	1	R8	0.0031	0.0031	0.17
9.2	Resistor film	1	R9	0.0031	0.0031	0.17
9.2	Resistor film	1	R10	0.0059	0.0059	0.33
9.2	Resistor film	1	R11	0.0031	0.0031	0.17
9.2	Resistor film	1	R12	0.0031	0.0031	0.17
9.2	Resistor film	1	R13	0.0031	0.0031	0.17
9.2	Resistor film	1	R14	0.0031	0.0031	0.17
9.2	Resistor film	1	R15	0.0032	0.0032	0.18
9.2	Resistor film	1	R16	0.0031	0.0031	0.17
9.2	Resistor film	1	R18	0.0040	0.0040	0.22
9.2	Resistor film	1	R20	0.0035	0.0035	0.19
9.2	Resistor film	1	R21	0.0032	0.0032	0.18
9.2	Resistor film	1	ZD1	0.0031	0.0031	0.17
9.8	Resistor thermistor	1	TH1	0.0650	0.0650	3.61
9.9	Resistor Variable	1	VR1	0.1328	0.1328	7.37
10.1	Capacitor ceramic	1	C3	0.0072	0.0072	0.40
10.1	Capacitor ceramic	1	C4	0.0061	0.0061	0.34
10.1	Capacitor ceramic	1	C5	0.0204	0.0204	1.14
10.1	Capacitor ceramic	1	C7	0.0123	0.0123	0.68
10.1	Capacitor ceramic	1	C11	0.0092	0.0092	0.51
10.1	Capacitor ceramic	1	C12	0.0061	0.0061	0.34
10.1	Capacitor ceramic	1	C13	0.0061	0.0061	0.34
10.1	Capacitor ceramic	1	CX1	0.2092	0.2092	11.62

Data Base : MIL - HDBK - 217F Notice 1

Environment : GB, 25°C

Input: 230V

Output: Full Load

Unit : KPSA05-12

Ver: V10

Date: 2008/7/4

CAT	TYPE	Q'ty		λ_p	$\lambda(\lambda_p*Q'ty)$	%
10.1	Capacitor ceramic	2	CY1,CY2	0.0292	0.0584	3.24
10.14	Capacitor electrolytic	1	C1	0.0777	0.0777	4.32
10.14	Capacitor electrolytic	1	C2	0.1680	0.1680	9.33
10.14	Capacitor electrolytic	1	C8	0.2025	0.2025	11.24
10.14	Capacitor electrolytic	1	C9	0.1757	0.1757	9.76
11.1	Transformer	1	T1	0.0661	0.0661	3.67
11.2	Inductive	3	L1,L2,L3	0.0084	0.0251	1.39
22.1	Fuses	1	F1	0.0100	0.0100	0.56
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	0.94
Component Count =		56		Total FR =	1.8006	
				MTBF =	555,365	Hours
				MTBF=(1/Failure Rate (FR))*10 ⁶ Hours		