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RELIABILITY PREDICTION

Model : MPS-65

Data: 2001-12-13

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	23	0.003700	10	0.851000	30.617
9.1	Resistor-Wirewound Power (RW)	1	0.008500	10	0.085000	3.058
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	14.391
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.504
10.1	Capacitor-Metal, Plastic (CH)	8	0.000510	10	0.040800	1.468
10.1	Capacitor-Ceramic(Gen.) (CK)	11	0.001700	10	0.187000	6.728
10.1	Capacitor-Aluminum Dry (CE)	10	0.001300	10	0.130000	4.677
6.1	Diode-Switching	2	0.000940	8	0.015040	0.541
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	4.835
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	2	0.003300	8	0.052800	1.900
6.1	Diode-Transient Suppressor/Varistor	2	0.002900	8	0.046400	1.669
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.720
6.3	Transistor-NPN/PNP	1	0.000150	8	0.001200	0.043
6.4	Transistor-MOSFET	1	0.014000	8	0.112000	4.030
6.11	OPTO-isolator	1	0.027000	8	0.216000	7.771
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.135
5.1	Linear Microcircuits	2	0.009500	10	0.190000	6.836
11.1	Transformer Switching	1	0.000610	3	0.001830	0.066
11.2	Coil Fixed inductor or choke	2	0.000032	3	0.000192	0.007
15.1	Connector- Rectangular	2	0.050000	2	0.200000	7.196
17.1	Single Connections-Reflow solder	204	0.000069	1	0.014076	0.506
22.1	Fuses	2	0.010000	1	0.020000	0.720
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.583

Total Failure rate: 2.779498 100%

• Data Base: MIL-HDBK-217F ,Notice 2, Parts Count MTBF: 359777.20 hrs
 • Env.: GB

Approved by:  Compiled by:  1/13