

MTBF REPORT

Model : KMS60A

Referring to MIL-HDBK-217f, Notice 2, APPENDIX A : PARTS
COUNT RELIABILITY PREDICTION , PREDICT the MTBF.

λ_{eq} : Total failure rate (failures/10⁶ hours)

No.	Part Type	N	λ_{eq}
1	Resistor (Film), RN	31	0.434
2	Capacitor (Aluminum Dry), CE	7	1.4
3	Capacitor (Ceramic Chip, Metalized /plastic)	8	0.08
4	Capacitor Ceramic/OS CON	9	0.261
5	Varistor	1	0.029
6	Thermistor	2	0.13
7	Switching Diode	1	0.036
8	Power Rectifier Diode	1	0.065
9	Voltage Ref	1	0.033
10	ZENER	3	0.099
11	Transformer	1	0.0145
12	Transistor	1	0.016
13	Transistor (MOS)	2	0.058
14	Controller	4	0.38
15	Inductor	3	0.105
16	FUSE	1	0.01
17	Single Connections (Clip Termination)	0	0
18	Single Connections (Reflow Solder)	208	0.014352
Total Equipment Failure rate (Failures/10 ⁶ hours)			3.164852

MTBF = 315,971 HOURS 25°C