

# MTBF REPORT

## Model : KMS15A

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

$\lambda_{eq}$  : Total failure rate (failures/10<sup>6</sup> hours)

No.	Part Type	N	$\lambda_{eq}$
1	Resistor (Film), RN	10	0.14
2	Capacitor (Aluminum Dry), CE	2	0.4
3	Capacitor (Ceramic Chip, Metalized /plastic)	7	0.07
4	Capacitor Ceramic/OS CON	3	0.087
5	Varistor	1	0.029
6	Thermistor	1	0.065
7	Switching Diode	1	0.036
8	Power Rectifier Diode	4	0.26
9	Voltage Ref	1	0.033
10	ZENER	1	0.033
11	Transformer	1	0.0145
12	Transistor	1	0.016
13	Transistor (MOS)	0	0
14	Controller	1	0.095
15	Inductor	2	0.07
16	FUSE	1	0.01
17	Single Connections (Clip Termination)	0	0
18	Single Connections (Reflow Solder)	40	0.00276
Total Equipment Failure rate (Failures/10 <sup>6</sup> hours)			1.36126

MTBF = 734,614 HOURS 25°C