

# MTBF REPORT

## Model : KMS30A

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	23	0.322
2	Capacitor (Aluminum Dry), CE	5	1
3	Capacitor (Ceramic Chip, Metalized /plastic)	11	0.11
4	Capacitor Ceramic/OS CON	4	0.116
5	Varistor	1	0.029
6	Thermistor	1	0.065
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)	1	0.029
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)	234	0.016146
Total Equipment Failure rate (Failures/10 <sup>6</sup> hours)			2.445646

MTBF = 408,890 HOURS 25°C