

# MTBF REPORT

Model:      KAS 2 Series

MIL-HDBK-217F, Notice 2, APPENDIX A  
PART COUNT RELIABILITY PREDICTION

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

No.	Part Type	$\lambda_g$	$\pi_Q$	$\pi_L$	N	$\lambda_{eq}$
1	Resistor (Film), RN	0.0014	10	--	8	0.112
2	Capacitor (Aluminum Dry),CE	0.02	17	--	3	1.02
3	Capacitor (Ceramic Chip,Metalized /plastic)	0.001	10	--	5	0.05
4	Capacitor Ceramic/OS CON	0.0029	10	--	2	0.058
5	Varistor	0.0029	10	--	0	0
6	Thermistor	0.0065	10	--	0	0
7	Switching Diode	0.0036	17	--	2	0.1224
8	Power Rectifier Diode	0.0065	17		2	0.13
9	Voltage Ref	0.0033	10	--	0	0
10	ZENER	0.0033	10	--	1	0.033
11	Transformer	0.00145	17	--	1	0.02465
12	Transistor (光耦合)	0.0016	10	--	0	0
13	Transistor (MOS)	0.0029	17	--	1	0.0493
14	Controller	0.0095	17	--	1	0.1615
15	Inductor	0.0035	17	--	2	0.119
16	FUSE	0.01	17	--	0	0
17	Single Connections (Clip Termination)	0.00012	1	--	0	0
18	Single Connections (Reflow Solder)	0.000069	1	--	23	0.001587
Total Equipment Failure rate (Failures/10 <sup>6</sup> hours)						1.881437

MTBF =      531,509 HOURS    25°C