

MTBF REPORT

Model: KAS 2 Series

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

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

| No. | Part Type | λ_g | π_Q | π_L | N | λ_{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 ⁶ hours) | | | | | | 1.881437 |

MTBF = 531,509 HOURS 25°C