

MTBF Prediction Report (For Indoor.G_B)

Model: MR83AUME
Date: MAR, 02 2018
Reference: Bellcore Method I, Case 3 Reliability Prediction
Technical Reference: SR-332 Issue 3, Feb 2011
Test condition:

Approved by: Cindy Pan
Checked by: Cindy Pan
Tested by: Jamie Lin

Input voltage: 240 Vac
Temperature : 40°C

| | | |
|----------------|--|--------------------------------------|
| Item 1: | Capacitors | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 10.14208809 |
| | | Failure/ 10 ⁹ hours |
| Item 2: | Diodes | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 1.863919942 |
| | | Failure/ 10 ⁹ hours |
| Item 3: | Inductors | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 15.5784334 |
| | | Failure/ 10 ⁹ hours |
| Item 4: | Integrated Circuits | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 381.3178654 |
| | | Failure/ 10 ⁹ hours |
| Item 5: | Resistors, Fixed | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 26.52 |
| | | Failure/ 10 ⁹ hours |
| Item 6: | Transistors | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 10.76182393 |
| | | Failure/ 10 ⁹ hours |
| Item 7: | Miscellaneous Device | |
| | m | |
| | $\lambda_{SS=TE} \sum_{l=1}^m N_i \lambda_{ssi} =$ | 0.40 |
| | | Failure/ 10 ⁹ hours |
| | Total $\lambda_{SS} =$ | 446.5841308 |
| | | 446.58 |
| | MTBF = | 2239219.737 |
| | | Failure/ 10⁹ hours |
| | | FIT |
| | | hours |

NOT: FIT=Failures In Time
 =Failures in 10⁹ hours