

## RR1X1/RR12X MTTF Life Test Data Summary

FIT & MTTF Calculations		
Part Series	RR1X1	RR12X
Sample Sizes	462	847
Test Temperature °C	125	150
Duration (hrs)	1000	1000
Quantity Failed	0	0
Equivalent Device Hours @ 55°C	462000	847000
FIT Rate (60% CL, 55°C)	25.7	4.22
MTTF (60% CL, 55°C)	3.89E+07	2.37E+08
FIT Rate (90% CL, 55°C)	64.58	10.6
MTTF (90% CL, 55°C)	1.55E+07	9.43E+07
<b>24 HOURS RUNNING FOR 10 YEARS</b>		
Failure Rate in 10 Years (60% CL)	0.22%	0.04%
Failure Rate in 10 Years (90% CL)	0.56%	0.09%
<i>Calculate Failure Rate – Running 24 hours</i>		