

## RR1X0/RR1X1 MTTF Life Test Data Summary

<b>FIT &amp; MTTF Calculations</b>		
Part Series	RR1x0	RR1x1
Sample Sizes	462	693
Test Temperature °C	125	150
Duration (hrs)	1000	1000
Quantity Failed	0	0
Equivalent Device Hours @ 55°C	462000	693000
FIT Rate (60% CL, 55°C)	25.7	5.16
MTTF (60% CL, 55°C)	3.89E+07	1.94E+08
FIT Rate (90% CL, 55°C)	64.58	12.96
MTTF (90% CL, 55°C)	1.55E+07	7.72E+07
<b>24 HOURS RUNNING FOR 10 YEARS</b>		
Failure Rate in 10 Years (60% CL)	0.22%	0.05%
Failure Rate in 10 Years (90% CL)	0.56%	0.11%
<i>Calculate Failure Rate – Running 24 hours</i>		