



Reliability Data Report

Product Family R351

LTC947 / LTC1326 / LTC1536 / LTC1626

Reliability Data Report

Report Number: R351

Report generated on: Fri Jun 06 10:13:47 PDT 2014

OPERATING LIFE TEST					
PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HRS (+125°C) ¹	No. of FAILURES _{2, 3}
SOIC/SOT/MSOP	835	9640	1250	539	0
Totals	835	-	-	539	0
PRESSURE COOKER TEST AT 15 PSIG , +121 DEG C					
PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HRS	No. of FAILURES
SOIC/SOT/MSOP	4347	9723	1042	276	0
Totals	4,347	-	-	276	0
TEMP CYCLE FROM -65 TO 150 DEG C					
PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	No. of FAILURES
SOIC/SOT/MSOP	8486	9647	1042	997	0
Totals	8,486	-	-	997	0
THERMAL SHOCK FROM -65 TO 150 DEG C					
PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	No. of FAILURES
SOIC/SOT/MSOP	2765	9647	1042	419	0
Totals	2,765	-	-	419	0
HIGH TEMPERATURE BAKE AT 175 DEG C					
PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HRS	No. of FAILURES
SOIC/SOT/MSOP	48	1230	1230	24	0
Totals	48	-	-	24	0
<p>(1) Assumes Activation Energy = 0.7 Electron Volts (2) Failure Rate Equivalent to +55 °C, 60% Confidence Level =21.98 FITS (3) Mean Time Between Failure in Years = 5192.79 Note: 1 FIT = 1 Failure in One Billion Hours. Note 2: HAST, Temp Cycle & Thermal Shock are subjected to J-STD-020 MSL1 Preconditioning</p>					