

**RELIABILITY DATA
LT1461 / LT1634**

10/26/2003

• OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS ⁽¹⁾ AT +125°C	NUMBER OF ⁽²⁾ FAILURES
SOIC/SOT/MSOP TO-92	351	9714	0337	357.20	0
	100	9908	9924	175.84	0
	451			533.04	0

• PRESSURE COOKER TEST AT 15 PSIG, +121°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS	NUMBER OF FAILURES
SOIC/SOT/MSOP TO-92	8,771	9726	0248	1,697.93	0
	1,147	9733	0318	41.15	0
	9,918			1,739.08	0

• TEMP CYCLE FROM -65°C to +150°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
PLASTIC DIP	50	0104	0104	5.20	0
SOIC/SOT/MSOP TO-92	5,460	9726	0248	1,573.83	0
	350	9746	0301	35.00	0
	5,860			1,614.03	0

• THERMAL SHOCK FROM -65°C to +150°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
SOIC/SOT/MSOP TO-92	2,216	9744	0248	1,217.83	0
	200	9740	0301	20.00	0
	2,416			1,237.83	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 3.45 FITS

(3) Mean Time Between Failures in Years = 33,066

Note: 1 FIT = 1 Failure in One Billion Hours.