

**RELIABILITY DATA
LT1328 / LT1537**

6/27/2002

• OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS ⁽¹⁾ AT +125°C	NUMBER OF FAILURES ⁽²⁾
SIDEBRAZE	39	9636	9636	39.09	0
SOIC/SOT/MSOP	45	9701	9701	22.43	0
	84			61.52	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	792	9531	0142	40.87	0
SSOP/TSSOP	250	9805	9925	8.40	0
	1,042			49.27	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
SOIC/SOT/MSOP	543	9531	0142	54.30	0
SSOP/TSSOP	350	9805	9925	35.00	0
	893			89.30	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	496	9531	0142	49.60	0
SSOP/TSSOP	50	9805	9805	5.00	0
	546			54.60	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 29.90 FITS

(3) Mean Time Between Failures in Years = 3,815

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