

## RELIABILITY DATA LT1792 / LT1793

**8/21/2006**

### • OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS <sup>(1)</sup> AT +125°C	NUMBER OF <sup>(2)</sup> FAILURES
PLASTIC DIP	77	9901	9901	77.00	0
	77			77.00	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
PLASTIC DIP	647	9903	0119	15.53	0
SOIC/SOT/MSOP	595	9903	0129	137.52	0
	1,242			153.05	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	200	9903	0119	20.05	0
SOIC/SOT/MSOP	550	9903	0129	286.45	0
	750			306.50	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
PLASTIC DIP	150	9903	9929	15.00	0
SOIC/SOT/MSOP	250	9903	0003	27.50	0
	400			42.50	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 23.89 FITS

(3) Mean Time Between Failures in Years = 4,775

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