

RELIABILITY DATA **LT1782 / LT1783 / LT1784 / LT6105 / LT6106**

4/15/2008

• 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	230	9940	0710	230.00	0
	230			230.00	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
SOIC/SOT/MSOP	1,840	9934	0706	167.14	0
SSOP/TSSOP	50	0517	0517	1.20	0
	1,890			168.34	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	1,190	9934	0706	392.65	0
SSOP/TSSOP	50	0517	0517	5.00	0
	1,240			397.65	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	1,499	9934	0706	371.80	0
SSOP/TSSOP	50	0517	0517	5.00	0
	1,549			376.80	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 8.00 FITS

(3) Mean Time Between Failures in Years = 14,260

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