

# RELIABILITY REPORT



**RELIABILITY DATA**  
**LT1567 / LT1568 / LT6600**

**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
SIDEBRAZE	153	0213	0319	153.00	0
SOIC/SOT/MSOP	70	0201	0201	70.00	0
	223			223.00	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	249	0209	0251	85.49	0
SSOP/TSSOP	50	0250	0250	18.10	0
	299			103.59	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	150	0210	0251	125.50	0
SSOP/TSSOP	50	0250	0250	50.00	0
	200			175.50	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
SOIC/SOT/MSOP	190	0117	0213	151.15	0
	190			151.15	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 8.25 FITS

(3) Mean Time Between Failures in Years = 13,828

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