

# RELIABILITY REPORT





**RELIABILITY DATA**  
**LM199 / LM399 / LTZ1000**

**8/31/2007**

**• 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
HERMETIC	407 407	8409	0150	674.23 674.23	0 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
HERMETIC	510 510	8321	0150	40.65 40.65	0 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
HERMETIC	435 435	8321	0150	6.53 6.53	0 0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 2.73 FITS

(3) Mean Time Between Failures in Years = 41,786

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