

RELIABILITY DATA

LT1328 / LT1537 / LT4351

8/21/2006

• OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS ⁽¹⁾ AT +125°C	NUMBER OF ⁽²⁾ FAILURES
SIDEBRAZE	39	9636	9636	39.09	0
SOIC/SOT/MSOP	205	9701	0421	182.43	0
	244			221.52	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	1,118	9531	0428	133.80	0
SSOP/TSSOP	400	9805	0501	12.00	0
	1,518			145.80	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	947	9531	0428	236.80	0
SSOP/TSSOP	500	9805	0501	50.00	0
	1,447			286.80	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	648	9531	0248	201.60	0
SSOP/TSSOP	148	9805	0421	14.80	0
	796			216.40	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 8.30 FITS

(3) Mean Time Between Failures in Years = 13,744

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