



RELIABILITY DATA **LTC1554 / 1557 / 1558 / 1559**

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
SOIC/SOT/MSOP	233 233	9740	9823	65.06 65.06	0 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	50	9725	9725	1.20	0
SSOP/TSSOP	77	9747	9747	27.32	0
	127			28.52	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
SSOP/TSSOP	77	9745	9745	77.00	0
	77			77.00	0

(1) Assumes Activation Energy = 0.7 Electron Volts

(2) Not Enough Data to Predict Failure Rate

(3) Refer to Rel Data Pack for Generic Product Family Data

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