

RELIABILITY DATA LTC1473 / LTC1479

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	50 50	9701	9701	34.02 34.02	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
PLASTIC DIP SSOP/TSSOP	50 396 446	9747 9601	9747 0106	17.86 77.37 95.23	0 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
SSOP/TSSOP	300 300	9601	0106	76.50 76.50	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
PLASTIC DIP SSOP/TSSOP	50 196 246	9747 9601	9747 0106	6.00 19.60 25.60	0 0 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.