

RELIABILITY REPORT



RELIABILITY DATA
LT1158 / LT1160 / LT1161 / LT1162 / LT1336 / LT1573 / LT1910

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
PLASTIC DIP	518	9126	0434	639.89	0
SOIC/SOT/MSOP	175	9523	0244	174.13	0
SSOP/TSSOP	77	9827	9827	129.36	0
	770			943.38	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	2,100	9313	0434	63.73	0
SOIC/SOT/MSOP	3,074	9216	0617	433.73	0
	5,174			497.45	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
PLASTIC DIP	1,700	9537	0624	173.15	0
SOIC/SOT/MSOP	2,131	9421	0617	798.40	0
	3,831			971.55	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	350	9537	9841	35.00	0
SOIC/SOT/MSOP	1,343	9216	0617	376.43	0
	1,693			411.43	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 1.95 FITS

(3) Mean Time Between Failures in Years = 58,501

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