

RELIABILITY DATA **LM123 / LM323 / LT123 / LT323**

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
TO-3	200	8330	9109	525.20	0
TO-220	39	8407	8407	3.28	0
	239			528.47	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
TO-220	650	9152	0405	22.80	0
	650			22.80	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
TO-3	255	8330	9109	48.45	0
TO-220	748	8530	0405	74.95	0
	1,003			123.40	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
TO-3	150	8435	9109	57.15	0
TO-220	353	8530	0405	31.98	0
	503			89.13	0

(1) Assumes Activation Energy = 1.0 Electron Volts

(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 3.48 FITS

(3) Mean Time Between Failures in Years = 32,781

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