

RELIABILITY DATA LTC4210 / 4211 / 4212 / 4214 / 4230 / 4241 / 4251 / 4252 / 4253 / 4350 10/26/2003					
• 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	720	0040	0318	680.00	0
SSOP/TSSOP	898	0040	0319	639.33	1
	1,618			1,319.33	1
• 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	935	0104	0322	237.67	0
SSOP/TSSOP	499	0027	0212	168.86	0
	1,434			406.54	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	3,042	9956	0322	587.20	0
SSOP/TSSOP	250	0027	0148	205.95	0
	3,292			793.15	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	839	0105	0322	339.90	0
SSOP/TSSOP	150	0129	0148	101.00	0
	989			440.90	0
(1) Assumes Activation Energy = 0.7 Electron Volts (2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 19.80 FITS (3) Mean Time Between Failures in Years = 5,761 Note: 1 FIT = 1 Failure in One Billion Hours.					