

**RELIABILITY DATA
PML9943 Qualification**

3/25/2019

• J-STD-020 MSL 3 PRECONDITIONING: 192h +30°C/60%R.H. SOAK, 3x REFLOW AT +245°C PEAK					
DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE		NUMBER OF FAILURES
LTM8054	693 693	1842	1842		0 0
• EXTENDED PRECONDITIONING: 216h +30°C/60%R.H. SOAK, 3x REFLOW AT +245°C PEAK					
DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE		NUMBER OF FAILURES
LTM8054	150 150	1842	1842		0 0
• HIGH TEMPERATURE STORAGE +150°C					
DEVICE	SAMPLE	OLDEST	NEWEST	K DEVICE HOURS AT +150°C	NUMBER OF
LTM8054	204 204	1842	1842	204.00 204.00	0 0
• TEMP CYCLE FROM -65°C to +150°C ⁽¹⁾					
DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
LTM8054	231 231	1842	1842	115.50 115.50	0 0
• THERMAL SHOCK FROM -65°C to +150°C ⁽¹⁾					
DEVICE	SAMPLE	OLDEST	NEWEST	K DEVICE	NUMBER OF
LTM8054	231 231	1842	1842	115.50 115.50	0 0
• UNBIASED HIGHLY ACCELERATED STRESS TEST +130°C/85% R.H. ⁽¹⁾					
DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +130°C	NUMBER OF FAILURES
LTM8054	153 153	1842	1842	14.69 14.69	0 0
• TEMPERATURE HUMIDITY +85°C/85% R.H. ⁽¹⁾					
DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +130°C	NUMBER OF FAILURES
LTM8054	92 92	1842	1842	8.83 8.83	0 0
• OPERATIONAL LIFE TEST ⁽¹⁾					
DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +150°C	NUMBER OF FAILURES
LTM8054	153 153	1842	1842	153.00 153.00	0 0
(1) Environmental stress are preceded by J-STD-020 Preconditioning					