

RELIABILITY DATA

LTM4642 ASE Korea 2nd source

2/7/2019

• 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
LTM4642	898 898	1831	1831		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
LTM4642	150 150	1831	1831		0 0

• HIGH TEMPERATURE STORAGE +150°C

DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +150°C	NUMBER OF FAILURES
LTM4642	150 150	1831	1831	75.00 75.00	0 0

• TEMP CYCLE FROM -55°C to +125°C ⁽¹⁾

DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
LTM4642	299 299	1831	1831	149.50 149.50	0 0

• THERMAL SHOCK FROM -55°C to +125°C ⁽¹⁾

DEVICE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
LTM4642	299 299	1831	1831	448.50 448.50	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
LTM4642	300 300	1831	1831	28.80 28.80	0 0

(1) Environmental stress are preceded by J-STD-020 Level 3 Preconditioning