

Qualification Results Summary LTM8071 - G311

Test	Specification	Conditions	Sample Size (lots x samples)	Results
High Temperature Operating Life (HTOL)	JEDEC JESD22-A108	1000h, Tj = 125C	1 x 77	Pass
High Temperature Storage Life (HTSL)	JEDEC JESD22-A103	1000h, 150C	1 x 77	Pass
ESD, FICDM	ESDA/JEDEC JS-002	1250V	3 / Voltage	Pass
ESD, HBM	JESD22-A114	4000V	3 / Voltage	Pass
Temperature Cycle (TC)*	JEDEC JESD22-A104	1000cyc, -55C/+125C	1 x 77	Pass
Temperature Cycle (TC)*	JEDEC JESD22-A104	1000cyc, -65C/+150C	1 x 77	Pass
Thermal Shock (TS)*	JEDEC JESD22-A106	1000cyc, -55C/+125C	1 x 77	Pass
Thermal Shock (TS)*	JEDEC JESD22-A106	1000cyc, -65C/+150C	1 x 77	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC JESD22-A110	264h, 110C/85%RH w/ Bias	1 x 30	Pass
Unbiased Highly Accelerated Stress Test (UHAST)*	JEDEC JESD22-A110	264h, 110C/85%RH	1 x 77	Pass

* These samples were subjected to preconditioning (per J-STD-020 Level 3) prior to the start of the stress test. Level 3 preconditioning consists of the following: Bake: 48 hrs @ 125°C, Unbiased Soak: 192 hrs @ 30°C, 60%RH, Reflow: 3 passes through an oven with a peak temperature of 260°C.