

## Qualification Results Summary PML9315 Inductor

<b>LTM8025</b>				
Test	Specification	Conditions	Sample Size (lots x samples)	Results
High Temperature Operating Life (HTOL)	JEDEC JESD22-A108	1000h, Tj = 125C	1 x 77	Pass
ESD, HBM	JS-001	2000V	3 / Voltage	Pass
ESD, FICDM	ESDA/JEDEC JS-002	750V	3 / Voltage	Pass
Temperature Cycle (TC)*	JEDEC JESD22-A104	1000cyc, -55C/+125C	1 x 77	Pass
Thermal Shock (TS)*	JEDEC JESD22-A106	1000cyc, -55C/+125C	1 x 77	Pass
Unbiased Highly Accelerated Stress Test (UHAST)*	JEDEC JESD22-A118	264h, 110C/85%RH	1 x 77	Pass
High Temperature Storage Life (HTSL)	JEDEC JESD22-A103	1000h, 150C	1 x 50	Pass

\* Tests are preceded by MSL 3 Preconditioning: 48h 125C bake, 192h 30C/60% unbiased soak, and 3 reflow passes at 245C peak.

<b>LTM8050</b>				
Test	Specification	Conditions	Sample Size (lots x samples)	Results
Temperature Cycle (TC)*	JEDEC JESD22-A104	1000cyc, -55C/+125C	1 x 77	Pass
Thermal Shock (TS)*	JEDEC JESD22-A106	1000cyc, -55C/+125C	1 x 77	Pass
Unbiased Highly Accelerated Stress Test (UHAST)*	JEDEC JESD22-A118	264h, 110C/85%RH	1 x 77	Pass
High Temperature Storage Life (HTSL)	JEDEC JESD22-A103	1000h, 150C	1 x 25	Pass

\* Tests are preceded by MSL 3 Preconditioning: 48h 125C bake, 192h 30C/60% unbiased soak, and 3 reflow passes at 245C peak.

## LTM8033 G311E Qualification Results Summary

Test Name	Specification	Conditions	Sample Size (lot x samples)	Result
Temperature Cycling (TC) *	JESD22-A104	-55°C/+125°C, 1,000 Cycles	1 x 77	Pass
Thermal Shock (TS) *	JESD22-A106	-55°C/+125°C, 1,000 Cycles	1 x 77	Pass
Unbiased HAST (UHST) *	JESD22-A118	110C 85%RH 17.7 psia, P264	1 x 77	Pass
High Temperature Operating Life (HTOL)	JESD22-A108	125°C<Tj<135°C, Biased, 1,000 Hours	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: 24 hrs @ 125°C, Unbiased Soak: 192 hrs @ 30°C, 60%RH, Reflow: 3 passes through an oven with a peak temperature of 245°C.