



RFMD + TriQuint

SGL0622Z

**Product Qualification Report
SGL0622Z-PQ030, Revision A****Description:** 5 MHz to 4000 MHz Low Noise MMIC Amplifier**Package Type:** 2.0mm x 2.0mm x 0.85mm 8-pin QFN**Process Technology:** SiGe BiCMOS**Qualification Number:** 15-QUAL-2948**Date issued:** 3/10/2016

Test Name	Test Standard and Conditions	# Samples x # Lots	Test Results
High Temperature Operating Lifetime	JESD22-A108, Tj≥125°C, 1000 hours	80x3 lots	Pass
Temperature Humidity with Bias	JESD22-A101, 1000 hours, Preconditioned to MSL1 per JESD22-A113	78x3 lots	Pass
ESD Human Body Model	ANSI/ESD/JEDEC JS-001, TA=25°C	3x3 lots	ESD Class 2
ESD Charge Device Model	ANSI/ESD/JEDEC JS-002, TA=25°C	3x3 lots	ESD Class C3
Moisture Sensitivity Level	IPC/JEDEC J-STD-020, Classification Temperature Tc=260°C	72x3 lots	MSL 1
Temperature Cycling	JESD22-A104, 1000 cycles Condition B (-55°C to +125°C), Soak Mode 1, Preconditioned to MSL1 per JESD22-A113	72x3 lots	Pass
High Temperature Storage Life	JESD22-A103, 1000 hours Condition B (TA=150°C), Preconditioned with 3x reflow per JESD22-A113	76x3 lots	Pass
Accelerated Moisture Resistance - Unbiased HAST	JESD22-A118, 264 hours Condition B (110°C, 85%RH, 17.7psia) Preconditioned to MSL1 per JESD22-A113	77x3 lots	Pass
Die Shear	MIL-STD-883, Method 2019	10x3 lots	Pass
Wire Bond Shear	JESD22-B116	10x3 lots	Pass
Wire Bond Pull	MIL-STD-883, Method 2011	10x3 lots	Pass
Solderability	JESD22-B102, Method 1, Pb-free test, Preconditioned per Condition C (Steam Precondition, 8 hrs)	45x1 lot	Pass
Conclusion	This part meets Qorvo's product qualification requirements.		

Sample size and lot quantities reported are the minimum required for this qualification.