

QPB9348

Dual-Channel Switch LNA Module

Package Type: Module
Process Technology: GaAs, Si
Qualification Number: 18-QUAL-4680
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TEST NAME	TEST STANDARD AND CONDITIONS	# SAMPLES x # LOTS	TEST RESULTS
High Temperature Operating Lifetime (HTOL)	JESD22-A108, Tj≥125 °C, 1000 hours	77x5 lots	PASS
Highly Accelerated Temperature and Humidity Stress Test (HAST)	JESD22-A110, 96 hours, Condition A (130 °C, 85% RH, 33.3 psia), Preconditioned to MSL 3 per JESD22-A113	77x4 lots	PASS
ESD Human Body Model (ESD HBM)	ANSI/ESDA/JEDEC JS-001, TA = 25 °C	3x1 lot	Class 1C Pass 1000V
ESD Charge Device Model (ESD CDM)	ANSI/ESDA/JEDEC JS-002, TA = 25 °C	3x1 lot	Class C3 Pass 1000V
Moisture Sensitivity Level (MSL3)	IPC/JEDEC J-STD-020, Classification Temperature Tc = 260 °C	11x1 lot	PASS
Temperature Cycling (TC)	JESD22-A104, 700 cycles Condition B (-55 °C to +125 °C), Soak Mode 1, Preconditioned to MSL 3 per JESD22-A113	77x3 lots	PASS
High Temperature Storage Life (HTS)	JESD22-A103, 1000 hours Condition B (TA = 150 °C), Preconditioned with 3x reflow per JESD22-A113	77x3 lots	PASS
Unbiased HAST (uHAST)	JESD22-A118, 96 hours Condition A (130 °C, 85% RH, 33.3 psia), Preconditioned to MSL 3 per JESD22-A113	77x3 lots	PASS
Solderability (SD)	JESD22-B102, Method 1, Pb-free test, Preconditioned per Condition E (150 °C Dry Bake, 16 hours)	22 pads x 3 lots	Pass
Conclusion	This part meets Qorvo's product qualification requirements.		