

**QPC6614****Product Qualification Report  
QPC6614-PQ030, Revision A**

**Description:** Digital Step Attenuator  
**Package Type:** 4.2mm x 4.2mm x 0.975mm 24-pin Module  
**Process Technology:** SOI CMOS  
**Qualification Number:** 15-QUAL-2666  
**Date issued:** 8/27/2015

Test Name	Test Standard and Conditions	# Samples x # Lots	Test Results
High Temperature Operating Lifetime	JESD22-A108, Tj≥125°C, 1000 hours	28x1 lot	Pass
Temperature Humidity with Bias	JESD22-A101, 1000 hours, 85°C, 85% RH	22x1 lot	Pass
ESD Human Body Model	ANSI/ESD/JEDEC JS-001, TA=25°C	3x1 lot	Pass 1000V ESD Class 1C
ESD Charge Device Model	ANSI/ESD/JEDEC JS-002, TA=25°C	3x1 lot	Pass 1000V ESD Class C3
Moisture Sensitivity Level	IPC/JEDEC J-STD-020, Classification Temperature Tc=260°C	80x3 lots	MSL 2
Temperature Cycling	JESD22-A104, 850 cycles Condition G (-40°C to +125°C), Soak Mode 2, Preconditioned to MSL2 per JESD22-A113	80x3 lots	Pass
High Temperature Storage Life	JESD22-A103, 1000 hrs Condition B (TA=150°C)	22x3 lots	Pass
Unbiased HAST	JESD22-A118, 264 hrs, Condition B (110°C, 85% RH), Preconditioned to MSL1 per JESD22-A113	25x3 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 E (Dry Bake, 16 hrs)	22x3 lots	Pass
Conclusion	This part meets Qorvo's product qualification requirements.		

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