

QPQ1298

B41 Sub-Band 160 MHZ BAW Filter

Package Type: Module
Process Technology: BAW
Qualification Number: 19-QUAL-5251
Date Issued: 10/25/2019
Document Number: QPQ1298-PQ030 rev A

TEST NAME	TEST STANDARD AND CONDITIONS	# SAMPLES x # LOTS	TEST RESULTS
ESD Human Body Model (ESD HBM)	ANSI/ESDA/JEDEC JS-001, TA = 25 °C	3x2 lots	Class 1C 1000V
ESD Charge Device Model (ESD CDM)	ANSI/ESDA/JEDEC JS-002, TA = 25 °C	3x2 lots	Class C3 1000V
Moisture Sensitivity Level (MSL)	IPC/JEDEC J-STD-020, Classification Temperature Tc = 260 °C	11x3 lots	MSL 3 EOC 11/11/2019
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	EOC 11/25/2019
High Temperature Storage Life (HTS)	JESD22-A103, 1000 hours Condition B (TA = 150 °C), Preconditioned with 3x reflow per JESD22-A113	77x3 lots	EOC 12/13/2019
Temperature Humidity (TH)	JESD22-A101 1000 hrs for products with BAW, Preconditioned to MSL 3 per JESD22-A113	77x3 lots	EOC 12/13/2019
Solderability (SD)	JESD22-B102, Method 1, Pb-free test, Preconditioned per Condition E (150 °C Dry Bake, 16 hours)	22 pads x 1 lots	Pass
RF Power Testing – Life	29dBm, 5MHz LTE modulation with 100% Duty Cycle, pass lifetime of 10 years at +95 C. 31dBm, 5MHz LTE modulation with 100% Duty Cycle, pass lifetime of 43,00 hours at +95 C.	12x2 lots	Pass
Conclusion	QPQ1298 qualification is still in process.		