

QUALIFICATION MATRIX

TEST	THQA2	THQM2	THQS2
HERMETICITY	MIL STD-202 METHOD 112 CONDITION C PROCEDURE IIIa	MIL STD-202 METHOD 112 CONDITION C PROCEDURE IIIa	MIL STD-202 METHOD 112 CONDITION C PROCEDURE IIIa
SOLDERABILITY	ANSI J-STD -002 METHOD 208	ANSI J-STD -002 METHOD 208	ANSI J-STD -002 METHOD 208
RESISTANCE TO SOLDERING HEAT	MIL-STD-202 METHOD 210 CONDITION B	MIL-STD-202 METHOD 210 CONDITION B	MIL-STD-202 METHOD 210 CONDITION B
RESISTANCE TO SOLVENTS	MIL-STD-202 METHOD 215J	MIL-STD-202 METHOD 215J	MIL-STD-202 METHOD 215J
TERMINAL STRENGTH	MIL-STD 202 METHOD 211, CONDITION A	MIL-STD 202 METHOD 211, CONDITION A	MIL-STD 202 METHOD 211, CONDITION A
RESISTANCE TO FUNGUS	The Capacitor materials shall not support fungus	The Capacitor materials shall not support fungus	The Capacitor materials shall not support fungus
SHOCK	MIL-STD-202 Method 213 Condition G 11mS, 50g	MIL-STD-202 Method 213 Condition G 11mS, 50g	Tested at Eglin AFB to >10,000g
VIBRATION - HIGH FREQUENCY	MIL-STD-202 Method 204 Condition D 12 Sweep/Axis 20g Peak	MIL-STD-202 Method 204 Condition D 12 Sweep/Axis 20g Peak	
VIBRATION - RANDOM	MIL-STD-202 Method 214 Condition II, E 1-1/2 hrs/axis 19.64 grms	MIL-STD-202 Method 214 Condition II, E 1-1/2 hrs/axis 19.64 grms	
THERMAL SHOCK	MIL- STD 202 Method 107 Condition A	MIL- STD 202 Method 107 Condition A	MIL- STD 202 Method 107 Condition A
MOISTURE RESISTANCE	Method 107 Condition A 6V Polarity	Method 107 Condition A 6V Polarity	Method 107 Condition A 6V Polarity
ALTITUDE	MIL-STD-202 METHOD 105 CONDTION D 100,000 ft Test	MIL-STD-202 METHOD 105 CONDTION D 100,000 ft Test	MIL-STD-202 METHOD 105 CONDTION D 100,000 ft Test
SURGE VOLTAGE	1K cycles of charge/discharge @ 110% or Rated Voltage	1K cycles of charge/discharge @ 110% or Rated Voltage	1K cycles of charge/discharge @ 110% or Rated Voltage @85°C
LIFE TEST	2000 Hours @ 85°C or 125°C and 60% of Vr	2000 Hours @ 85°C or 125°C and 60% of Vr	100 Hours @ 85°C or 125°C and 60% of Vr

Testing performed to specification listed. Test report and data available on request