

QUALIFICATION MATRIX

TEST	THQ1	THQ2	THQ3	THQ4	THQ5
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	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	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	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	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	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	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	MIL-STD-202 Method 213 Condition G 11mS, 50g	MIL-STD-202 Method 213 Condition G 11mS, 50g	MIL-STD-202 Method 213 Condition G 11mS, 50g
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	MIL-STD-202 Method 204 Condition D 12 Sweep/Axis 20g Peak	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	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	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	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	Method 107 Condition A 6V Polarity	Method 107 Condition A 6V Polarity
ALTITUDE	MIL-STD-202 METHOD 105 CONDITION D 100,000 ft Test	MIL-STD-202 METHOD 105 CONDITION D 100,000 ft Test	MIL-STD-202 METHOD 105 CONDITION D 100,000 ft Test	MIL-STD-202 METHOD 105 CONDITION D 100,000 ft Test	MIL-STD-202 METHOD 105 CONDITION 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	1K cycles of charge/discharge @ 110% or Rated Voltage	1K cycles of charge/discharge @ 110% or Rated Voltage
LIFE TEST	2000 Hours @ 85°C or 125°C and 60% of Vr	2000 Hours @ 85°C or 125°C and 60% of Vr	2000 Hours @ 85°C or 125°C and 60% of Vr	2000 Hours @ 85°C or 125°C and 60% of Vr	2000 Hours @ 85°C or 125°C and 60% of Vr

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