

Thermal Cycling ⁽⁴⁾	E417.11(h)	X	X	X
Humidity	E417.11(g)	X	X	X
Thermal Vacuum ⁽⁴⁾	E417.11(i)	X	X	X
Acceleration	E417.11(f)	X	X	X
Shock	E417.11(e)	X	X	X
Sinusoidal Vibration	E417.11(b)	X	X	X
Acoustic	E417.11(d)	X	X	X
Random Vibration	E417.11(c)	X	X	X
Electromagnetic Interference and Compatibility	E417.11(j)	X	X	-
Explosive Atmosphere	E417.11(k)	-	X	-
Repetitive functioning	E417.27(i)	X	X	X
Circuit Protection	E417.27(h)	X	-	-
Leakage ⁽⁵⁾	E417.5(h)	X	X	X
Internal Inspection	E417.5(g)	X	X	X

⁽¹⁾ Each qualification test component sample must successfully complete all acceptance tests before undergoing qualification testing.

⁽²⁾ A component sample must undergo this test before the first and after the last environmental test.

⁽³⁾ A component sample must undergo this test during each operating environment test.

⁽⁴⁾ While undergoing this test, a component sample must undergo an abbreviated status-of-health test and output monitor test during all thermal cycles and transitions.

⁽⁵⁾ An unsealed component that has successfully completed salt-fog, humidity, fungus resistance, and fine sand qualification tests need not undergo a leakage test.