



In-House Lab Capability List

DSCC Approved For Internal QPL Effort

Thermal Shock Chamber

-65°C to +200°C
Thermal Shock
Thermal Cycling

Shaker System

Maximum Sustained Vibration Force: 100g
Maximum Shock Force: 200g
Vibration: Mil-Std-202, Methods 201 & 204
Shock: Mil-Std-202, Methods 207 & 213

Altitude Chamber

Maximum Altitude: 80,000 Feet
DWV at Altitude

Benchtop Chamber

-75°C to +200°C
High Temperature Operation
Temperature Rise
Low Temperature Storage

Steam Aging Chamber

Up to 99 hours Continuous Testing
Solderability
Steam Aging

Force Gauge

Maximum Force: 50N
Bond Strength

Reflow Oven

Maximum Temperature: 270°C

General

Support Test & Measurement Equipment
Full Documentation & Reporting Capability
Failure Analysis Capability

Life Test Chamber

Maximum Operating Temperature: 260°C
Life and Load Testing

Real-Time X-Ray

Real-Time viewing capability

Humidity Chamber

-75°C to +200°C
20% to 90% Relative Humidity
Moisture Resistance
Steady State Humidity

Salt Spray

Anti-Corrosion Testing

Chemical Resistance

Resistance to Solvents

Hipot Tester

Maximum AC Voltage: 6kV
Maximum DC Voltage: 5kV
Insulation Resistance
Dielectric Withstanding Voltage (DWV)

Voltech AT3600 Transformer Tester

Maximum Test Frequency: 1Mhz
Maximum Test Current: 25A
Maximum Test Voltage: 3kV
Fast Testing of Complicated Transformers

High Power AC Testing

0.1 Hz to 2 MHz
Maximum Voltage: 400 Vp-p
Maximum Current: 750 mA
Pulse, Ramp, Sine, Square, & Triangle Waves