

All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	0°C to +65°C	----
Storage Temperature	-20°C to +85°C	----
Stabilization Bake	125°C, 24 hours (Non-operating)	----
Thermal Imaging	200W REFL, 250W FWD, 25°C Base	----
DC Burn In-Elevated Temperatur	+60°C (Ambient) with Bias. Bias Conditions: +32V ~540mA 500 Hrs. Base plate temperature: 65°C	---
Humidity Storage	Temp: 85°C, Humidity: 85% RH, Non-operating for 1000 Hrs.	----
Thermal Shock	-40°C to +150°C 15 min dwell at extreme temperatures, 1 min transfer 250 cycles	MIL-STD-202, Method 107
ESD Gun Contact	Air Discharge: ±2.0 kV, ±4.0 kV, ±8.0 kV. Contact Discharge: ±2.0 kV, ±4.0 kV, ± 6.0 kV, ±8.0Kv Non-operating Condition. 10 positive & 10 negative charges at each location	IEC 61000-4-2
Drop Test	1.0m drops onto concrete of packed box in 6 orientations	IEC 60068-2-31
Vibration	Sinusoidal vibration, 20 - 2000 Hz, 4 min sweeps, 16 min along each of 3 axes, amplitude limits of 20 G and 0.06 in	MIL-STD-883, Method 2007 Test A