



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	-40° to 110°C Heat Slug Temperature	Individual Model Data Sheet
Storage Temperature	40° to 125° C Ambient Environment	Individual Model Data Sheet
HTOL	Heat Slug =200°C, 168 hrs, +12V	JESD22-A108
Temperature Cycling	-65° to 150°C, 100 cycles	JESD22-A104
HAST	125°C, 85% RH, 96 hours	JESD22-A118, Condition A, except 125°C
Solderability	95% min. solder coverage	JESD22-B102
Solder Reflow Profile	Pb-Free Process: 260°C peak	J-STD-020, Table 4-1, 4-2 and 5-2; Figure 5-1
Vibration (High Frequency)	20g peak, 10-2000 Hz, 12 times in each of three perpendicular directions (total 36)	MIL-STD-202, Method 204, Condition D
Mechanical Shock	50g, 11 ms, 1/2-sine, 18 shocks: 3 each direction, each of 3 axes	MIL-STD-202, Method 213, Condition A
Moisture Sensitivity: Level 2	Bake at 125°C for 24 hours. Soak at 85°C/60%RH for 168 hours Reflow 3 cycles at 260°C peak	J-STD-020
Marking Resistance to Solvents	Isopropyl alcohol + mineral spirits at 25°C; terpene defluxer at 25°C; distilled water + proylene glycol monomethyl ether +	MIL-STD-202, Method 215



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Specification	Test/Inspection Condition	Reference/Spec
	monoethanolamine at 63°C to 70°C	