

surface mount environmental specifications

All MCL 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 tests of MIL-STD-202, unless otherwise noted. For amplifiers, see the table of Environmental Specifications in the Amplifiers section.

Rating or Test	MIL-STD-202		Package Type	
	Method		Hermetic	Non-Hermetic ⁽⁴⁾
Temperature Operating, °C ⁽¹⁾	—	—	-55° to 100°	-40° to 85°
Temperature Storage, °C ⁽¹⁾	—	—	-55° to 100°	-55° to 100°
Altitude: 150,000 feet	105	E	Yes	—
Humidity: 90%RH, 65°C	106	—	Yes ⁽²⁾	—
Thermal Shock	107	B	-65° to 125°	-55° to 100°
Fine & Gross Leak	112	C&D	1x10 ⁻⁷	Not Appl.
Solderability: 95% coverage	208	—	Yes	Yes
Solder Heat ⁽³⁾	—	—	Yes	Yes
Solvent Resistance	215	—	Yes	Yes

Notes: 1. Extended temperature ranges are available for some models; consult factory.

2. Humidity not guaranteed for VSW, VSWA models.

3. Peak temperature during reflow soldering 230°C, see typical profiles page 22. Technical Section.

4. Including aqueous washable models.