

CONDUCTION COOLED

GENERAL SPECIFICATIONS:

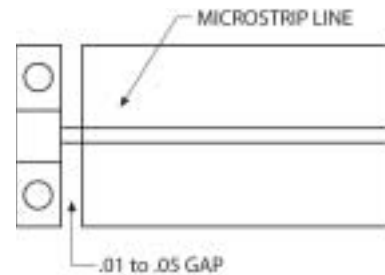
IMPEDANCE: 50 Ohms.
 ATTENUATION VALUES: 0dB to 30 dB.
 MECHANICAL TOLERANCE: ±.010 inch unless otherwise specified.
 TEMPERATURE COEFFICIENT: ±100 PPM/°C maximum from -55°C to +125°C.
 ENVIRONMENTAL: Meets or exceeds the applicable requirements of MIL-PRF-55342.
 POWER RATING: The rated input power is based on a room temperature of 25°C derated linearly to zero power at 150°C.

MATERIALS:

RESISTIVE ELEMENT: Proprietary film.
 SUBSTRATE: **Beryllium Oxide** Ceramic.
 COVER: Alumina Ceramic or High Temp. Epoxy.
 MOUNTING FLANGE: Copper, Nickel Plated.
 TAB: **Beryllium** Copper, Gold Plated or Tin Plated.
 POWER RATING: Rated power is based on a maximum flange temperature of 100°C derated linearly to 0 power at 150°C.

ENGINEERING NOTE:

In the design of power resistors and terminations, there usually is excessive capacitance to ground. The circuit can be optimized by allowing a gap between the lead(s) and the transmission line. This gap will create a small amount of inductance to balance the circuit. This gap is usually between .01 and .05 inches. A network analyzer can help determine the desired gap. For assistance contact the factory.



NOTE:

To achieve the best RF performance, units will be supplied with high-temp epoxy or ceramic covers at Mfg. option.

HOW TO ORDER BY PART NUMBER:

The part number is a combination of model, wattage, and dB value.

