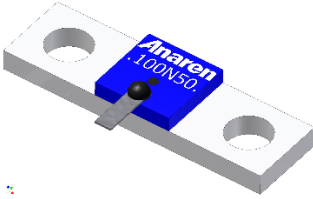


Flange Mount Termination
100 Watts, 50Ω



Features:

- **RoHS Compliant**
- **100 Watts**
- **DC – 3 GHz**
- **AlN Ceramic**
- **Non-Nichrome Resistive Element**
- **Low VSWR**
- **100% Tested**

Description:

The G100N50W4 is high performance Aluminum Nitride (AlN) flange mount termination intended as a cost competitive alternative to Beryllium Oxide (BeO). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The high power handling makes the part ideal for terminating circulators and for use in power combiners. The termination is also RoHS compliant.

General Specifications:

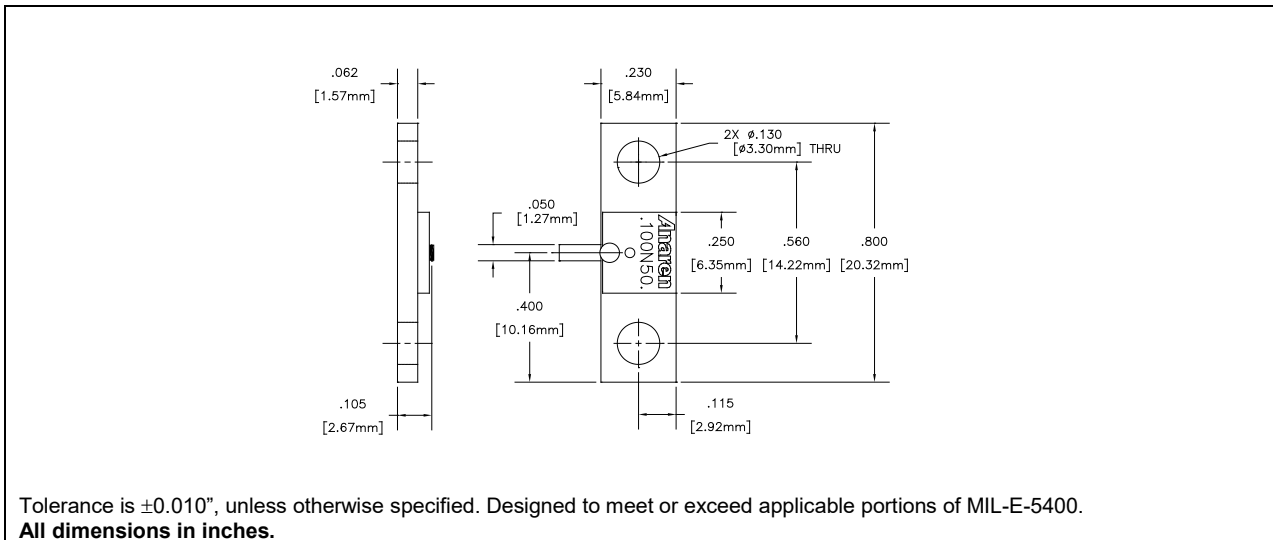
Resistive Element	Thick Film
Substrate	AlN Ceramic
Mounting Flange	Nickel Plated Copper
Operating Temperature	-55 to +150°C (see de rating chart)

Electrical Specifications:

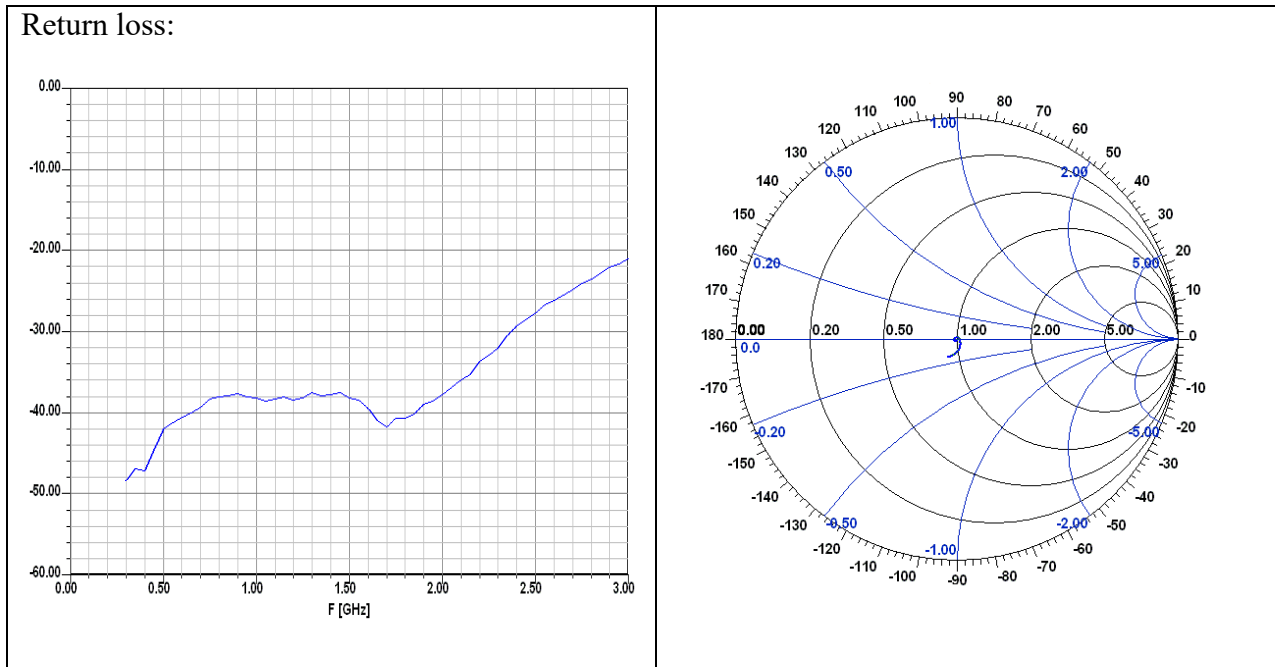
Resistance Value:	50 Ohms, ± 2%
Power:	100 Watts
Frequency Range:	DC – 3.0 GHz
Return Loss	25dB to 2.0 GHz 20dB to 3.0 GHz

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Outline Drawing:

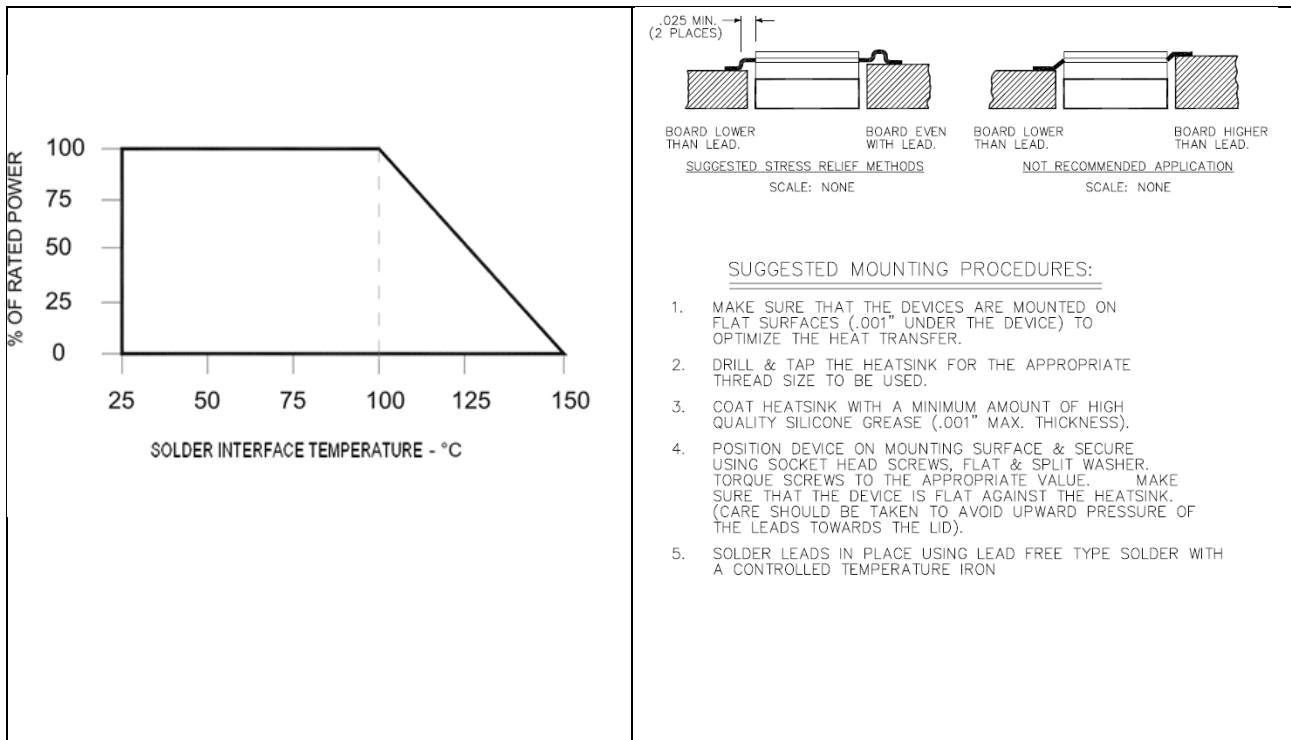


Typical Performance:



Power de-rating:

Mounting Footprint:



Contact us:

rf&s_support@ttm.com