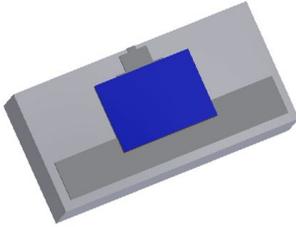


Surface Mount Chip Termination
0.5 Watts, 50Ω



Description:

The XMWT80L1G is a Flip-Chip, surface mountable 50Ω termination with a power rating of 0.5 Watts (AVG) and a peak to average ratio of 12dB. This thick film ALN component has industry leading bandwidth from DC-81GHz and is specifically designed to replace larger more bulky caseless and connectorized terminations used predominantly in the Test and Measurement & ATE industries. Its small form factor and low cost point (by function) makes it ideally suited for high I/O mmWave semiconductors and systems in test, verification and certification applications. With RF&S's world class customer service and 100% RF Tested guarantee. This termination is designed for reliability and performance consistency, which is a critical factor in automotive and industrial radar applications in the 60 – 81GHz bands.

Features:

- RoHS Compliant
- Power 0.5 W (AVG)
- Peak to Average ratio 12dB
- DC –81 GHz
- ALN Ceramic
- Flip-chip
- T&M, Industrial and Mil-Aero
- Low VSWR
- 100% Tested
- Small Size

General Specifications:

Resistive Element	Thick film
Substrate	ALN
Terminal Finish	Immersion Tin over Nickel Barrier
Operating Temperature	-55 to +150°C

Electrical Specifications:

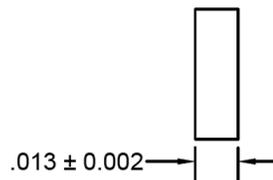
Resistance Value	50 Ohms, ± 2%
Power:	0.5 Watts (Avg Watts @ 100° C)
Frequency Range:	DC – 81 GHz
VSWR	1.67

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

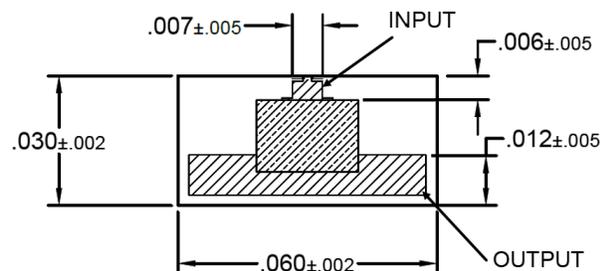
Outline Drawing:



TOP VIEW



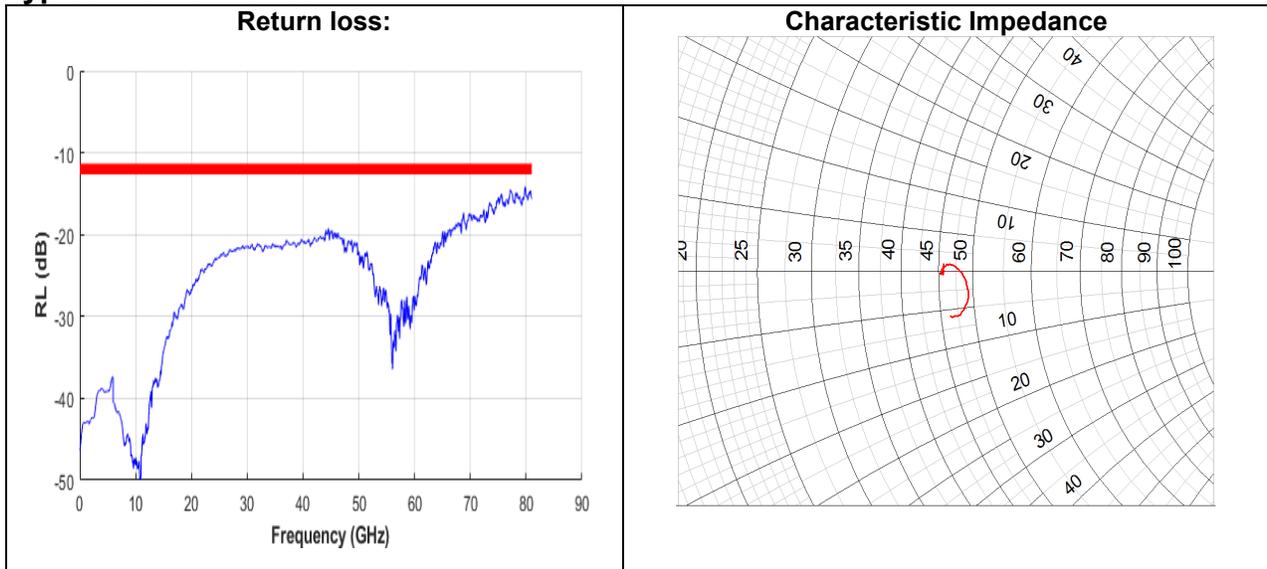
SIDE VIEW



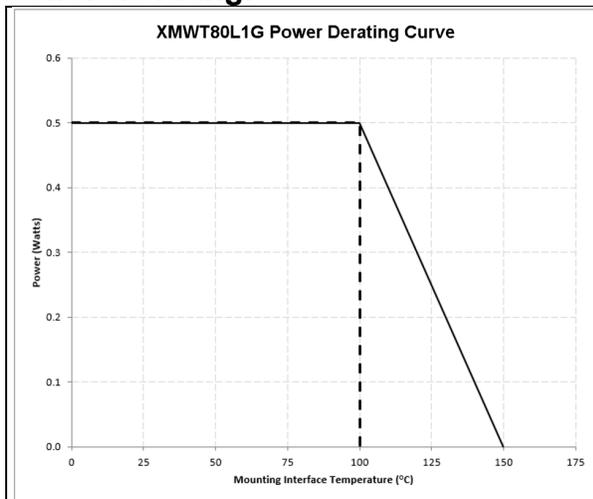
BOTTOM VIEW

Dimensions are in Inches

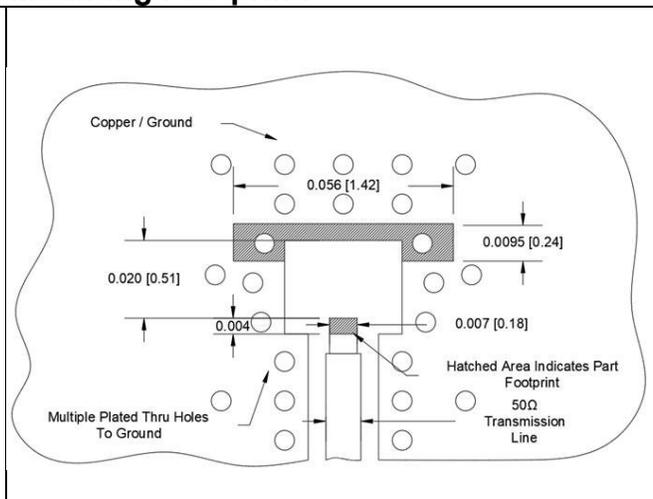
Typical Performance:



Power de-rating:



Mounting Footprint:



Tape & Reel: Parts are currently shipped in Matrix Trays. High Volume Tape and Reel packaging under development.

Contact us:
rf&s_support@ttm.com