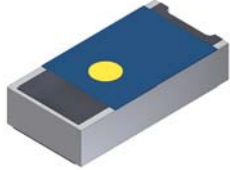


Chip Termination 10 Watts, 50Ω



Description

The 060120A25X50-2 is high performance Alumina (Al_2O_3) Chip termination intended as a low cost alternative to Aluminum Oxide (AlN). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS.. The termination is also RoHS compliant!

Features:

- RoHS Compliant
- 10 Watts
- DC – 6.0 GHz
- Al_2O_3 Ceramic
- Non - Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

General Specifications

Resistive Element	Thick film
Substrate	Al_2O_3 Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +125°C (see de rating chart)

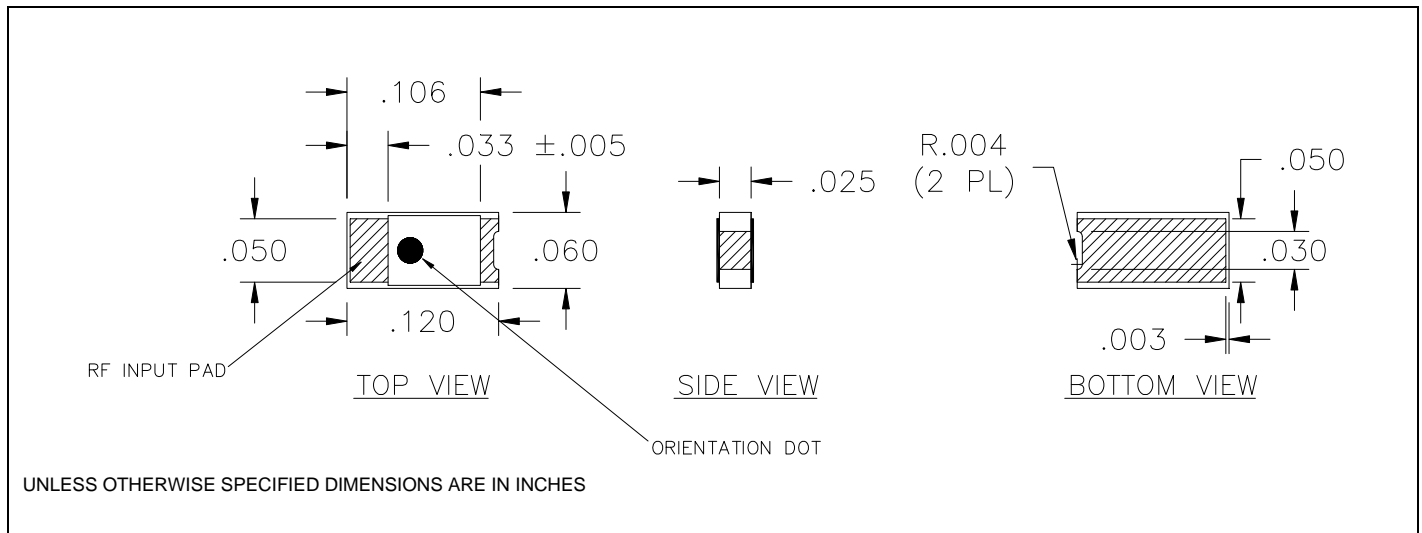
Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

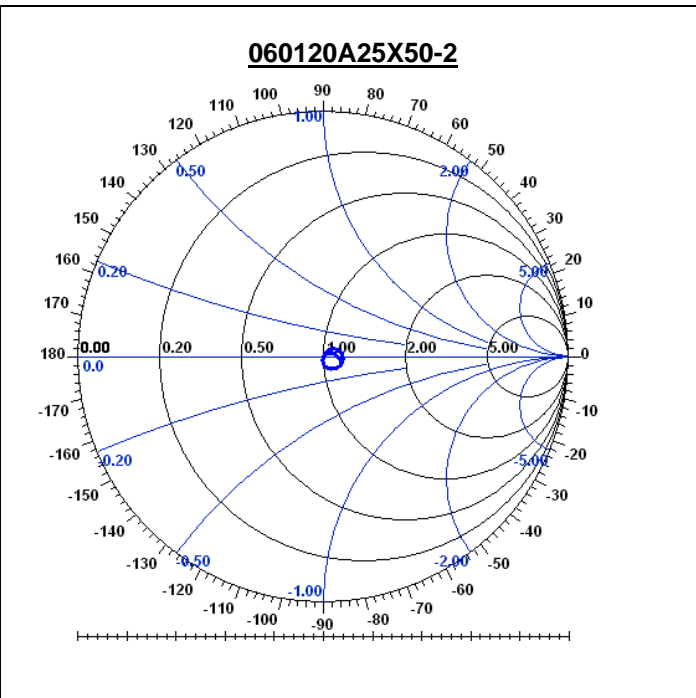
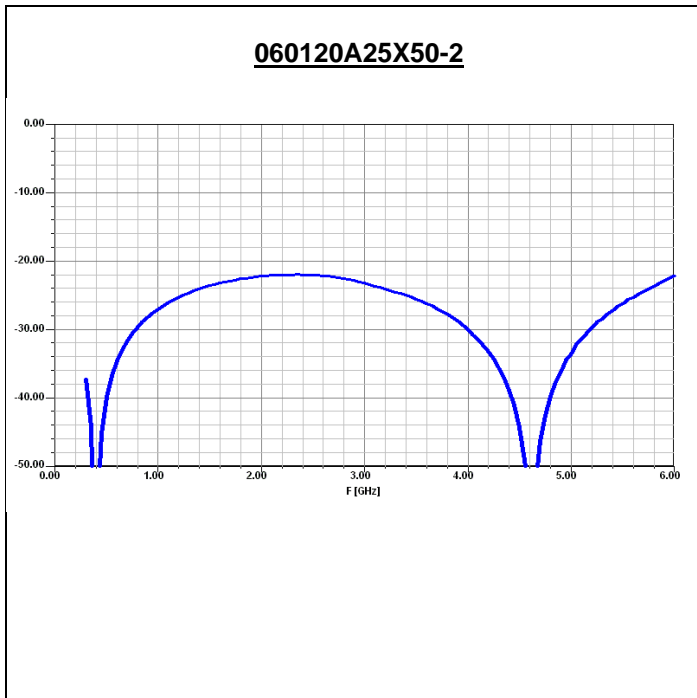
Resistance Value:	50 Ohms, $\pm 2\%$
Power:	10 Watts
Frequency Range:	DC – 6.0 GHz
Return Loss	>19 dB to 6.0 GHz

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

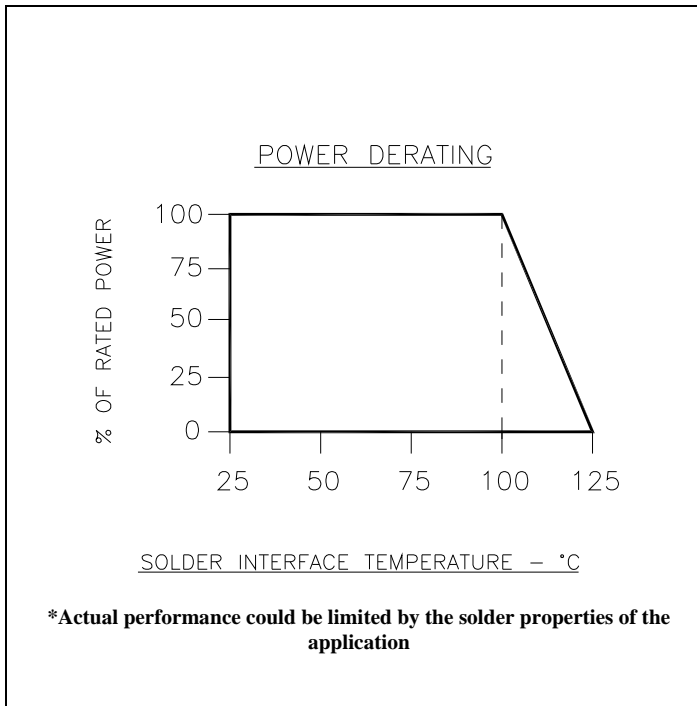
Outline Drawing



Typical Performance:



Power De-rating:



Mounting Footprint and Procedure:

The diagrams illustrate the mounting footprint and suggested stress relief methods. The footprint is a rectangular component with two leads on each side. The distance between the leads is specified as .025 MIN (2 PLACES). The diagrams show three scenarios: BOARD LOWER THAN LEAD, BOARD EVEN WITH LEAD, and BOARD HIGHER THAN LEAD. The suggested stress relief methods are SCALE: NONE.

SUGGESTED MOUNTING PROCEDURES:

1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES TO OPTIMIZE THE HEAT TRANSFER.
2. RECOMMENDED FLATNESS UNDER THE DEVICE IS 0.002".