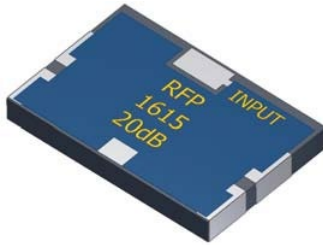


**Chip Attenuator
100 Watts, 20 dB**



Description:

The 1615-20 is high performance Aluminum Nitride (AlN) Chip attenuator intended as a cost competitive alternative to Beryllium Oxide (BeO). The attenuator is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The Attenuator is also RoHS compliant!

Features:

- RoHS Compliant
- 100 Watts
- DC – 2.3 GHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tester

General Specifications:

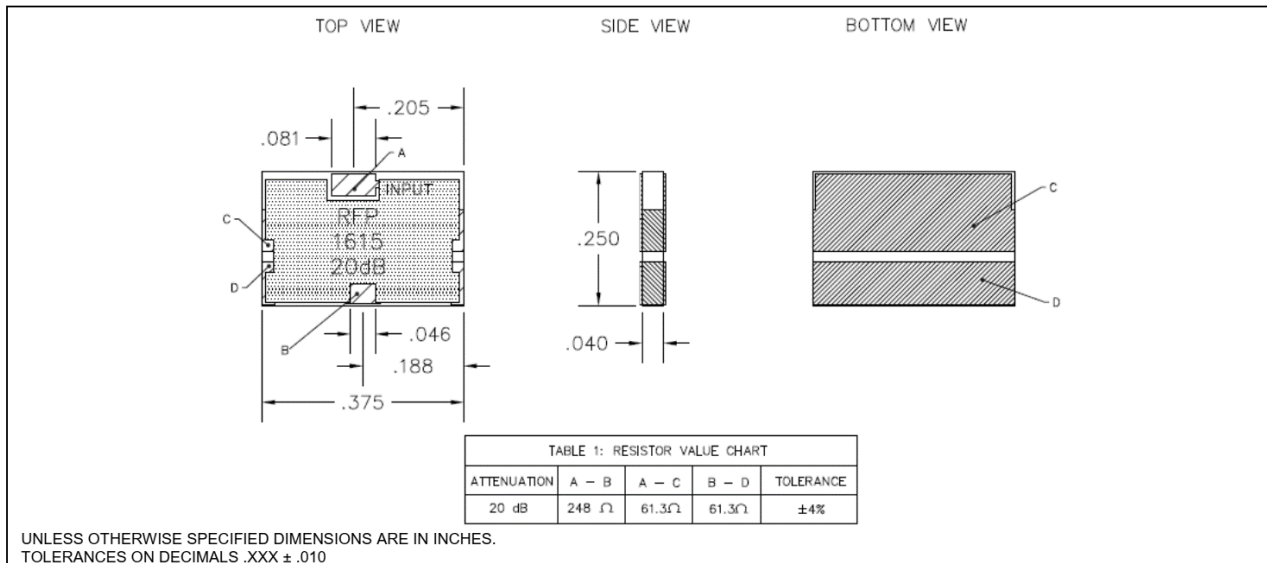
Resistance Element:	Thick film
Substrate:	AlN Ceramic
Terminal Finish:	Matte Tin over Nickel Barrier
Operating Temperature:	-55 to +200°C (see de rating chart)

Electrical Specifications:

Attenuation Value:	20dB ± 1.0 dB
Power:	100 Watts
Frequency Range:	DC – 2.3 GHz
Return Loss	1.25 : 1

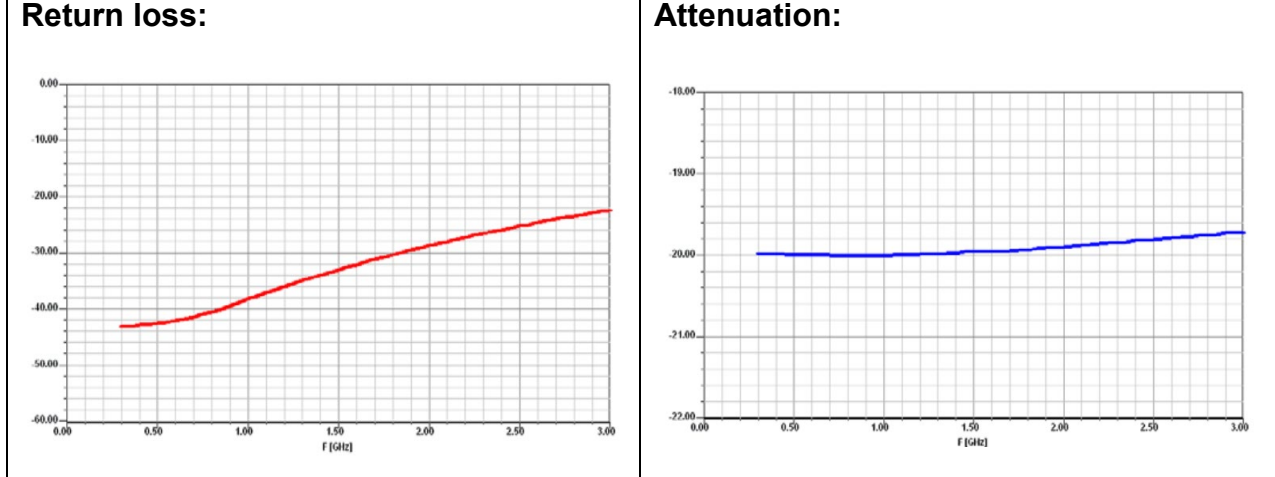
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Outline Drawing:

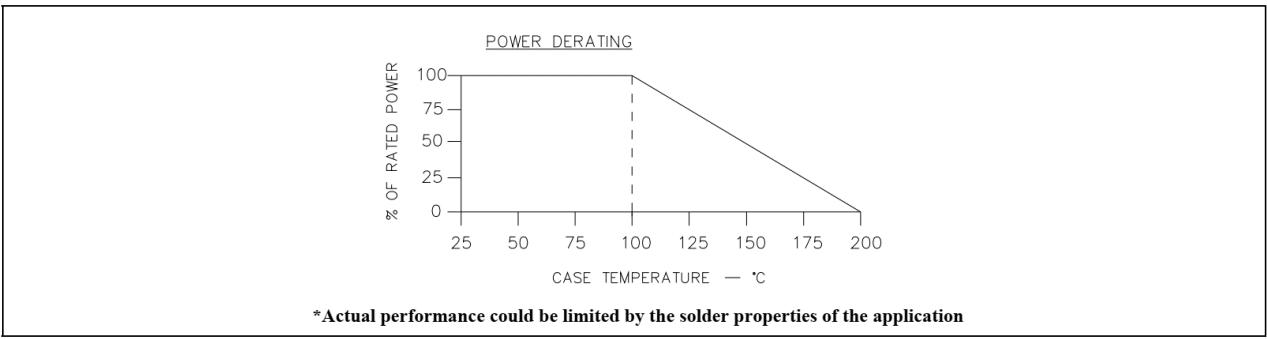


Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Typical Performance:



Power de-rating:



Mounting Procedure:

BOARD LOWER THAN LEAD.

BOARD EVEN WITH LEAD.

BOARD HIGHER THAN LEAD.

SUGGESTED STRESS RELIEF METHODS
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".
3. POSITION DEVICE ON MOUNTING SURFACE AND SOLDER IN PLACE USING AN APPROPRIATE SOLDER

Contact us:
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