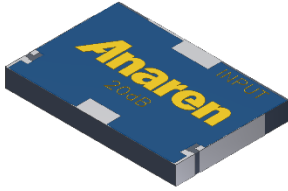


**Chip Attenuator**  
**150 Watts, 20dB**



**Features:**

- RoHS Compliant
- 150 Watts
- DC – 2.7 GHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tester

**Description:**

The B150NA20X4 is a 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 high power handling makes the part ideal for terminating circulators, and for use in power monitoring. The Attenuator is also RoHS compliant!

**General Specifications:**

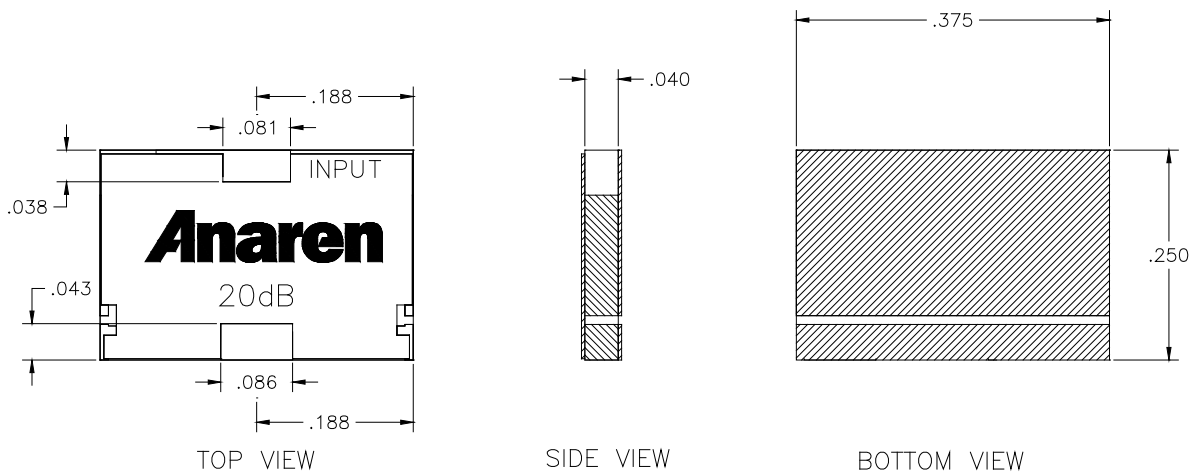
|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Resistive Element</b>     | Thick film                          |
| <b>Substrate</b>             | AlN Ceramic                         |
| <b>Terminal Finish</b>       | Matte Tin over Nickel Barrier       |
| <b>Operating Temperature</b> | -55 to +200°C (see de rating chart) |

**Electrical Specifications:**

|                           |               |
|---------------------------|---------------|
| <b>Attenuation Value:</b> | 20dB ± 0.5 dB |
| <b>Power:</b>             | 150 Watts     |
| <b>Frequency Range:</b>   | DC – 2.7 GHz  |
| <b>Input Return Loss</b>  | 20 dB         |

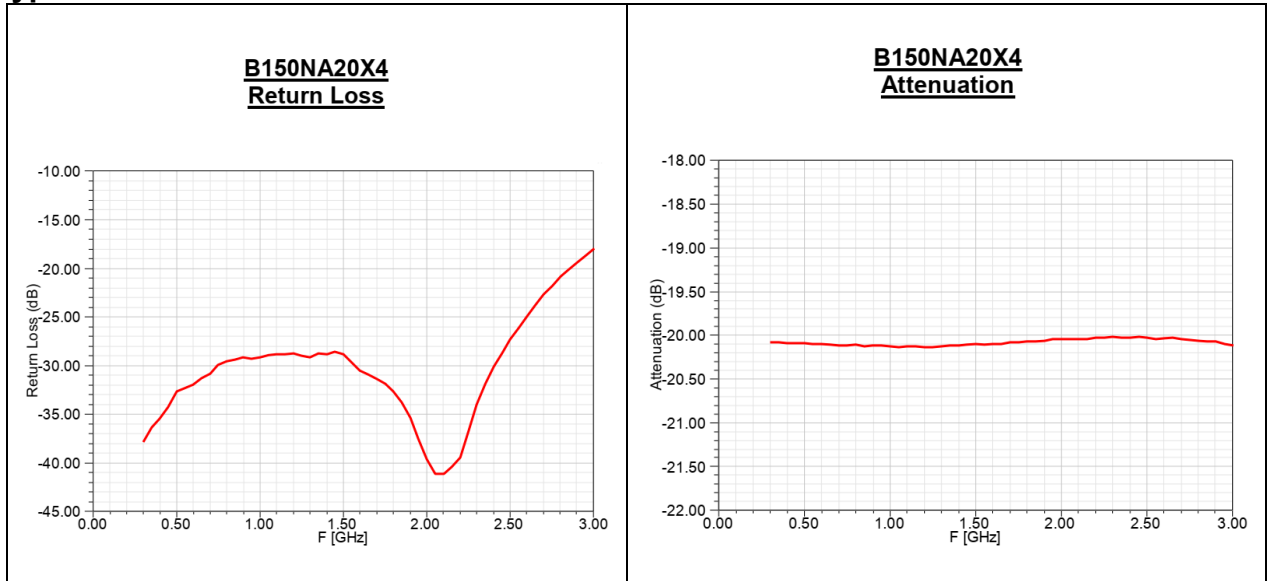
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

**Outline Drawing:**

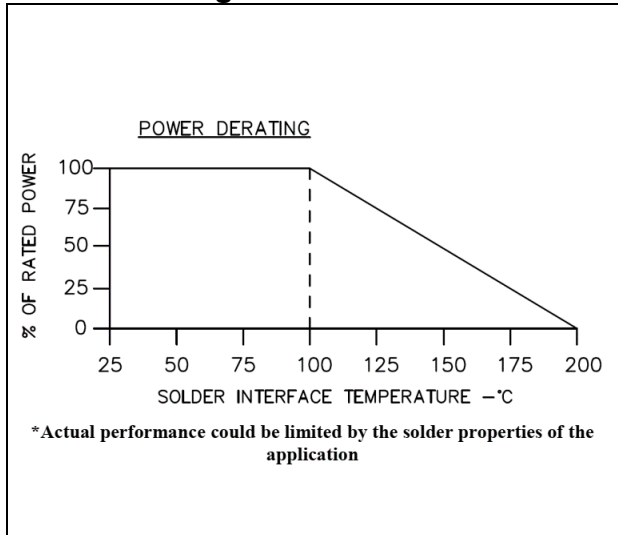


Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

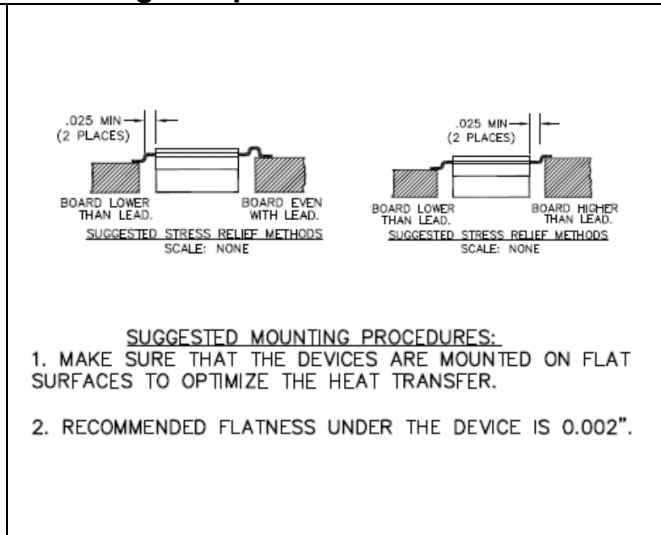
**Typical Performance:**



**Power de-rating:**



**Mounting Footprint:**



**Contact us:**  
[rf&s\\_support@ttm.com](mailto:rf&s_support@ttm.com)