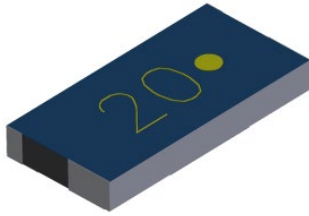


**Surface Mount Attenuator**  
**30 Watts, 20dB**



**Features:**

- RoHS Compliant
- 30 Watts
- Low Cost
- DC – 4.0GHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

**Description:**

The D30NA20Z4 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 inter-stage matching, directional couplers, and for use in isolators. The attenuator is also RoHS compliant!

**General Specifications:**

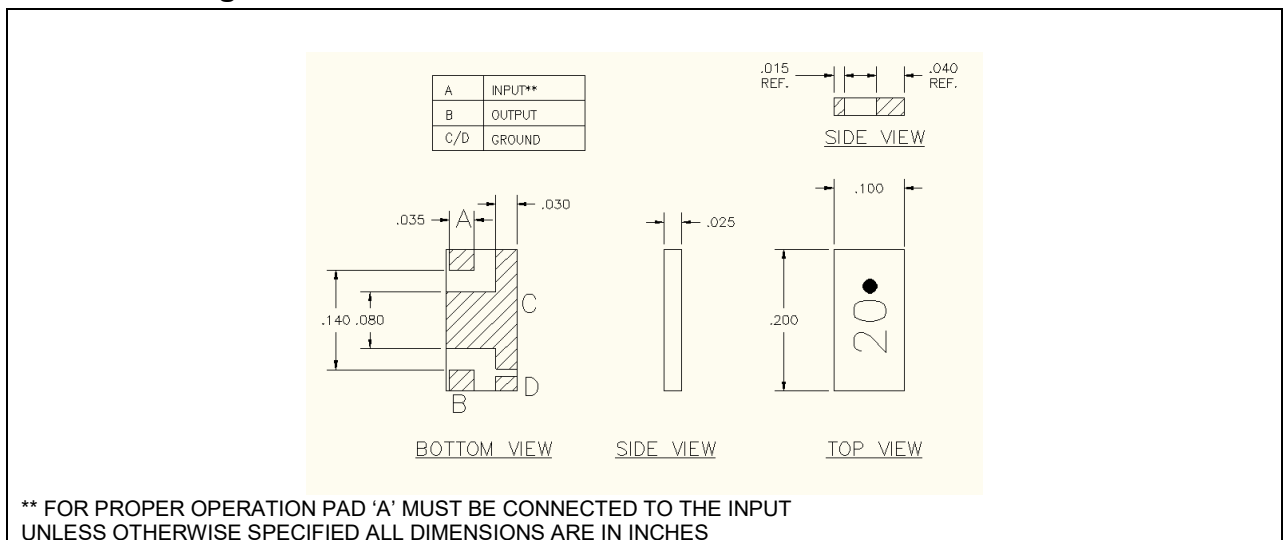
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +200°C (see de rating chart)

**Electrical Specifications:**

<b>Attenuation Value:</b>	20.2dB	+/- .4dB; DC – 3.0GHz
	20.0dB	+/- .6db; 3.0 – 4.0GHz
<b>Power:</b>	30 Watts	
<b>Frequency Range:</b>	DC – 4.0GHz	
<b>Input Return Loss:</b>	20dB	DC - 3.0GHz
	16dB	3.0 – 4.0GHz

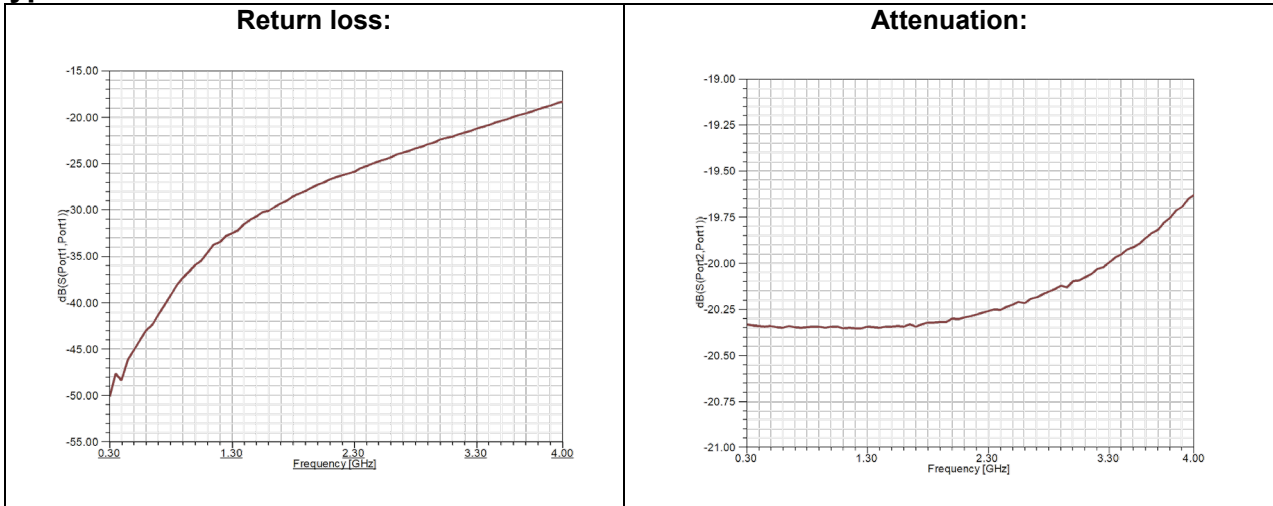
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

**Outline Drawing:**

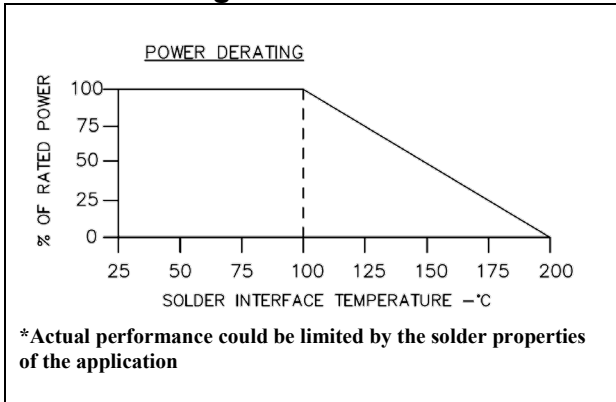


Tolerance is  $\pm 0.010$ ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

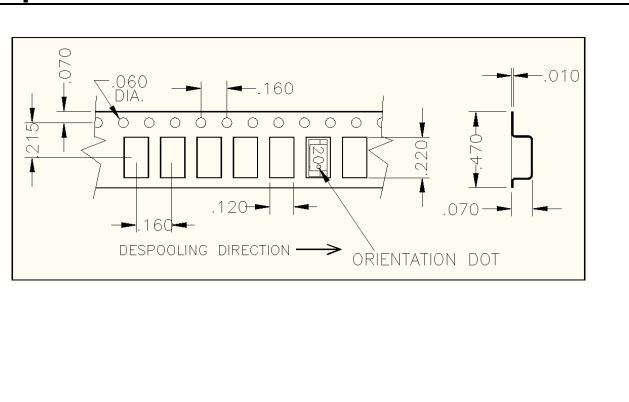
**Typical Performance:**



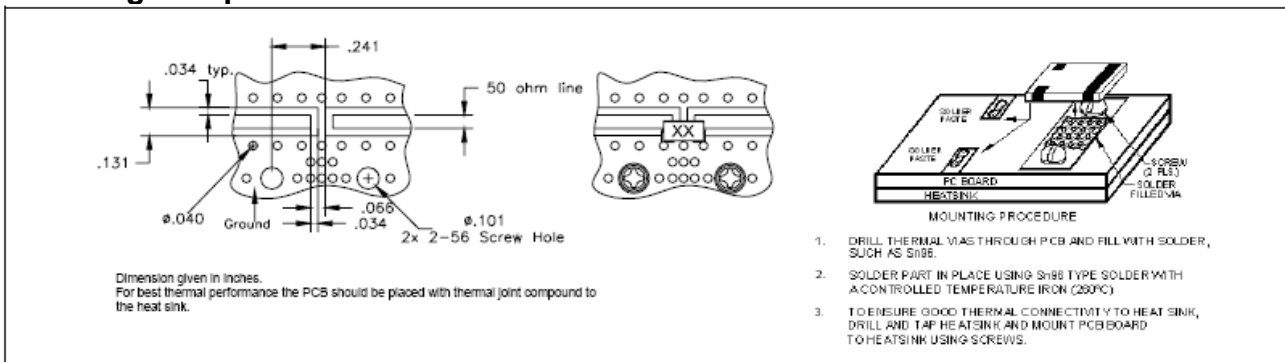
**Power de-rating:**



**Tape & Reel:**



**Mounting Footprint:**



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