

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



**Description:**

The XRA30AA30SES is a high performance Aluminum Nitride (AlN) chip attenuator intended as a cost competitive alternative to Beryllium Oxide (BeO). It is designed particularly for all end markets from DC – 6GHz including LTE, 5G and Mil-Aero applications. The high power rating of 30 Watts (AVG) and a peak to average ratio of 12dB makes the part ideal for inter-stage matching, directional couplers, and for use in isolators. The attenuator is also RoHS compliant!

**Features:**

- 30 Watts (AVG)
- Peak to Average ratio 12dB
- DC – 6.0GHz
- Low Cost
- Low VSWR
- AlN Ceramic
- Non-Nichrome Resistive Element
- RoHS Compliant
- 100% Tested

**General Specifications:**

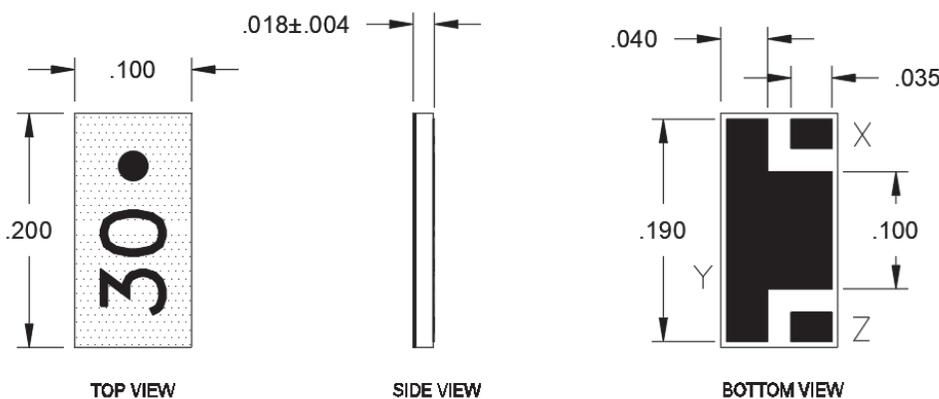
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +150°C (see de rating chart)

**Electrical Specifications:**

<b>Attenuation Value:</b>	30.5 dB ± 2.0 dB	DC – 6.0 GHz
<b>Power:</b>	30 Watts (Avg Watts @ 100°C)	
<b>Frequency Range:</b>	DC – 6.0GHz	
<b>Input Return Loss:</b>	19dB	DC - 5.5 GHz
	16dB	5.5-6.0 GHz

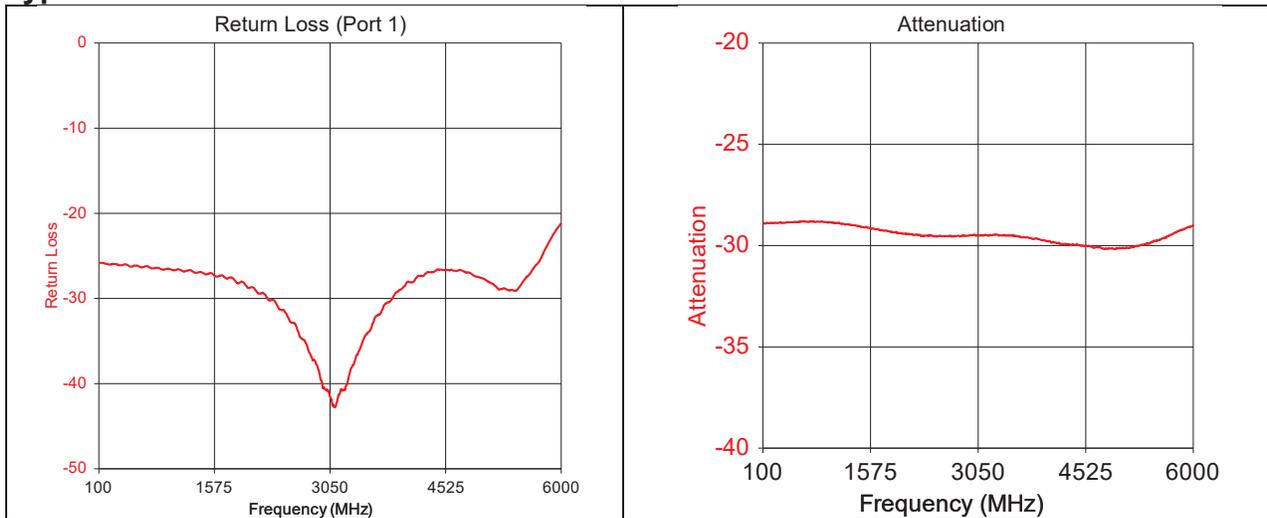
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

**Outline Drawing:**

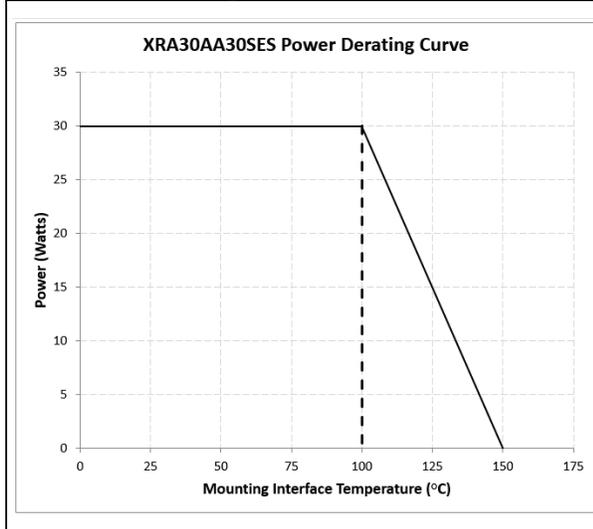


FOR PROPER OPERATION PAD X MUST BE CONNECTED TO THE INPUT.  
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.  
TOLERANCE IS ±0.010", UNLESS OTHERWISE SPECIFIED. DESIGNS TO MEET OR EXCEED APPLICABLE PORTIONS OF MIL-E-5400.

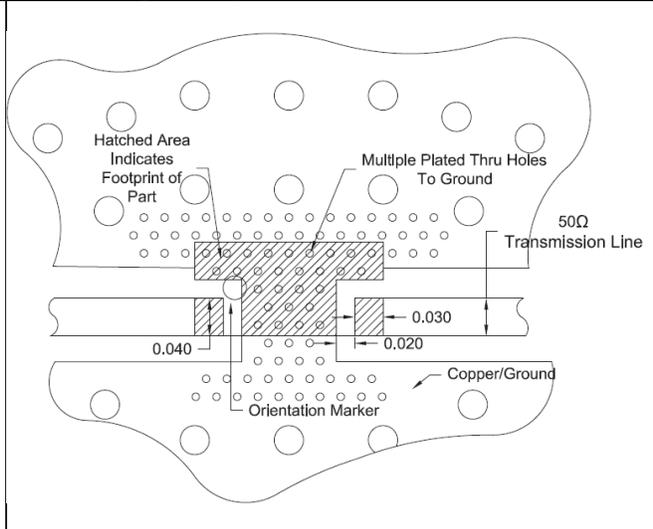
**Typical Performance:**



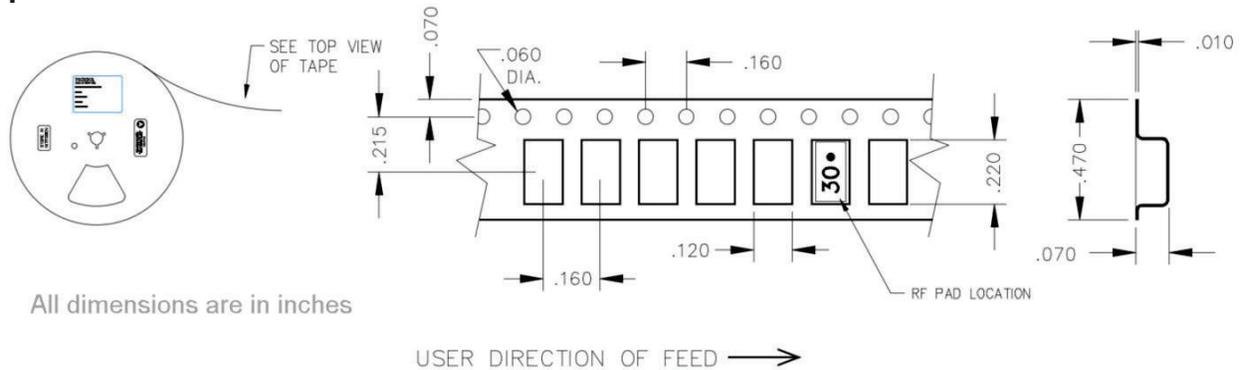
**Power de-rating:**



**Mounting Footprint:**



**Tape & Reel:**



All dimensions are in inches

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