



## Surface Mount Attenuator 10 Watts, 5dB

### Features:

- RoHS Compliant
- 10 Watts
- Low Cost
- DC – 6.0GHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

### Description:

The XRA10AA5SES is a high performance Aluminum Nitride (AlN) chip attenuator intended as a cost competitive alternative to Beryllium Oxide (BeO). It is designed particularly for LTE and 5G wireless communication frequency bands. 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:

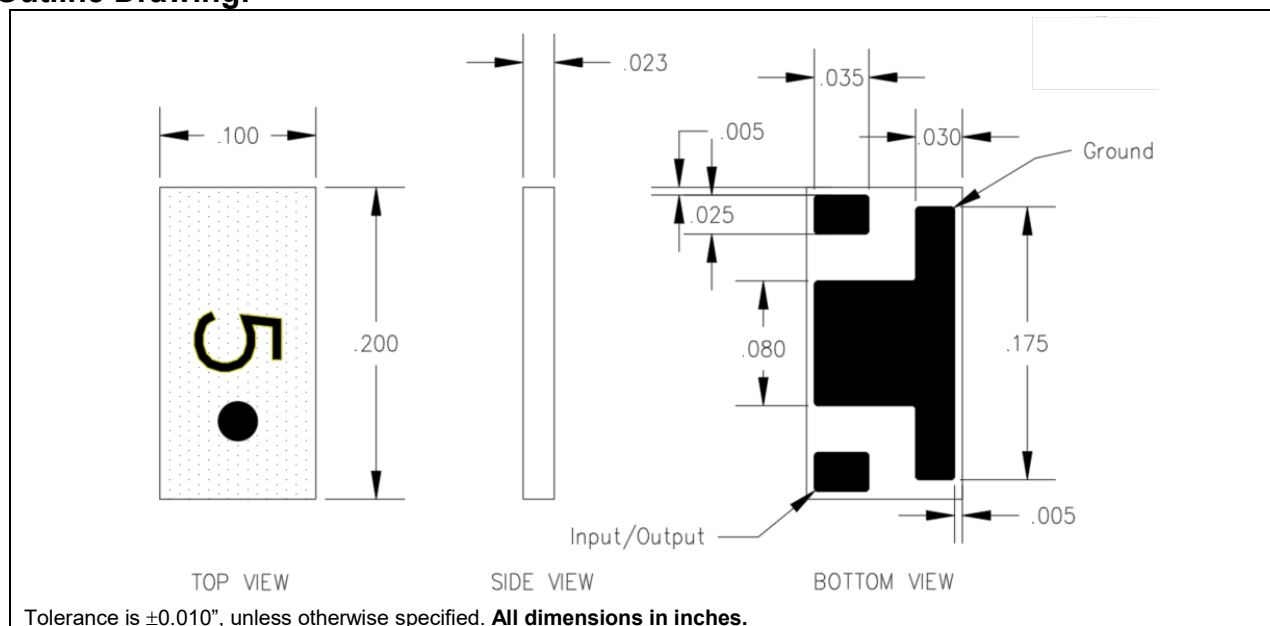
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +150°C (see de rating chart)

### Electrical Specifications:

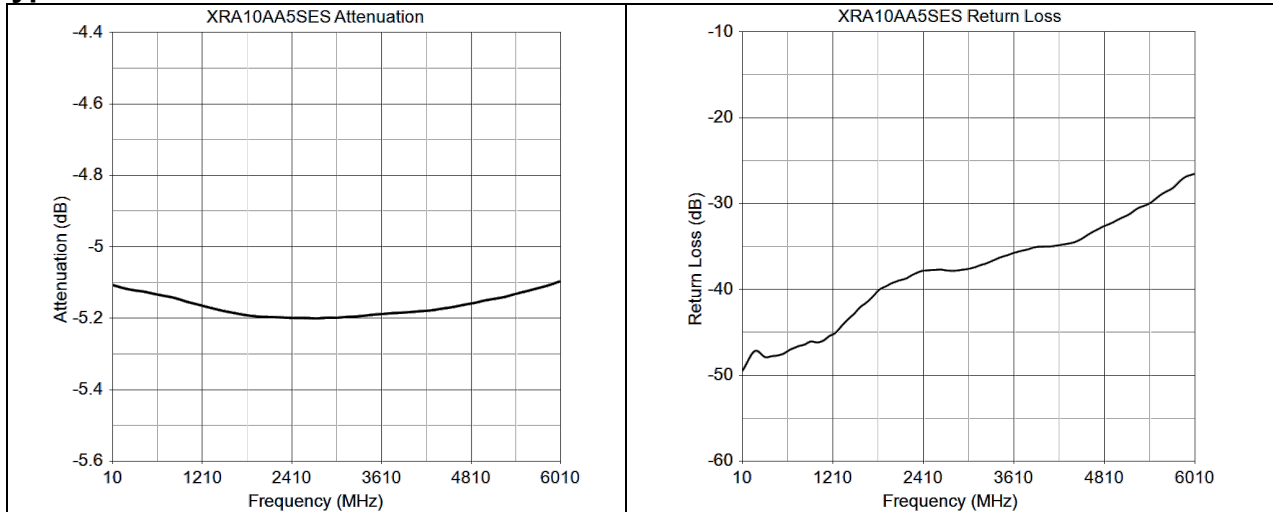
<b>Attenuation Value:</b>	5.0 ± 0.5 dB
<b>Power:</b>	10 Watts
<b>Frequency Range:</b>	DC – 6.0GHz
<b>Input Return Loss:</b>	20dB

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

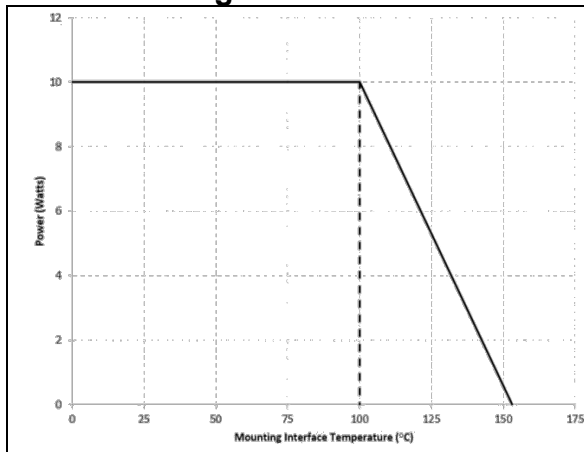
### Outline Drawing:



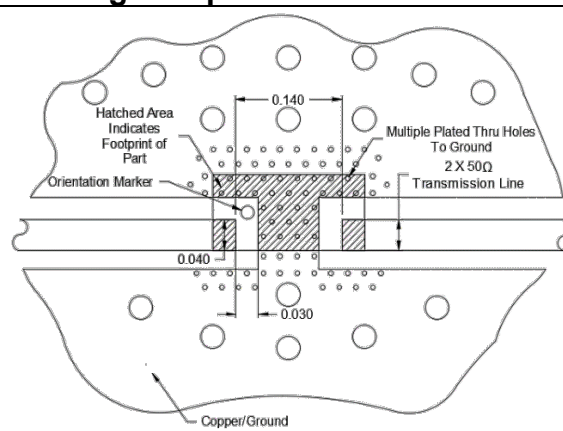
### Typical Performance:



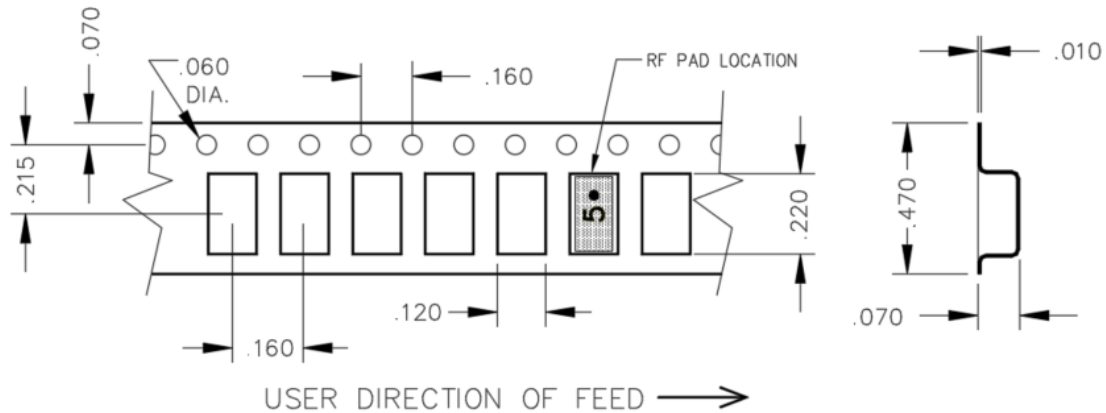
### Power de-rating:



### Mounting Footprint:



### Tape & Reel:



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