

Surface Mount Attenuator
30 Watts, 20dB



Description:

The XRA30AA20SESB 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 handling makes the part ideal for inter-stage matching, directional couplers, and for use in isolators. The attenuator is also RoHS compliant!

Features:

- 30 Watts (CW)
- DC – 6.0GHz
- Low Cost
- Low VSWR
- AIN Ceramic
- Non-Nichrome Resistive Element
- RoHS Compliant
- 100% Tested

General Specifications:

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

Electrical Specifications:

Attenuation Value:	20 dB ± 1.5 dB	DC – 5.0 GHz
	19 dB ± 1.5 dB	5.0 – 6.0 GHz
Power:	30 Watts (avg CW @ 100°C)	
Frequency Range:	DC – 6.0GHz	
Input Return Loss:	>20dB	DC - 5.0GHz
	>17dB	5.0-6.0 GHz

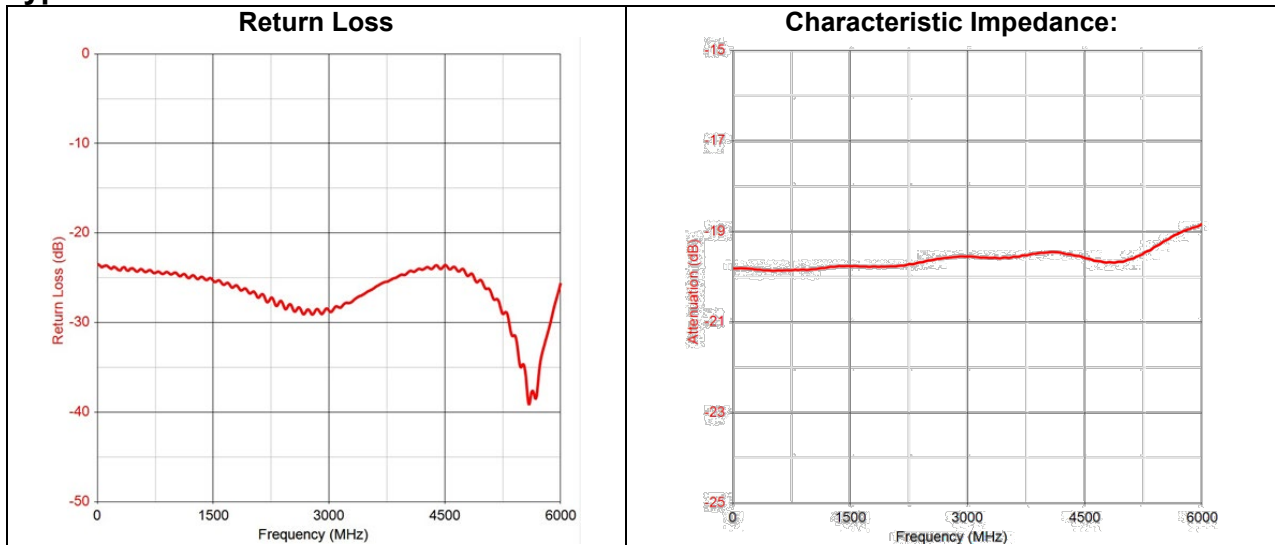
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Outline Drawing:

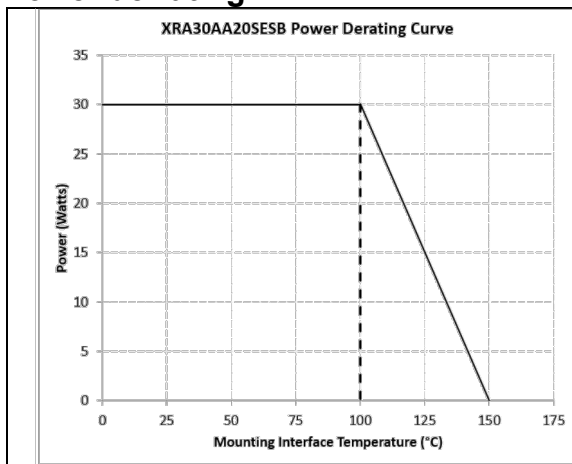
X	Input
Y	Ground
Z	Output

**** 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. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimension in inches.**

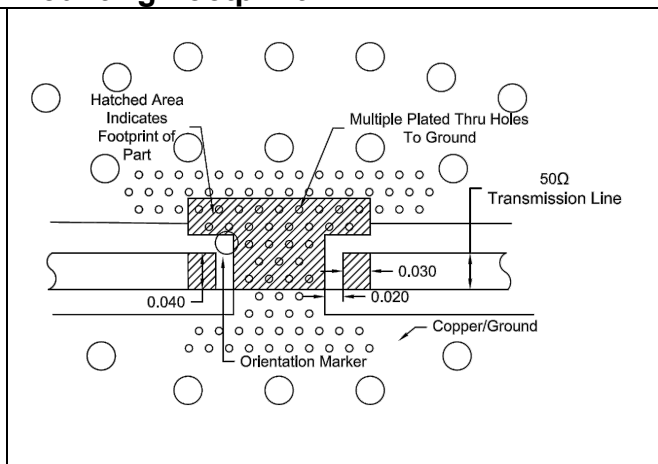
Typical Performance:



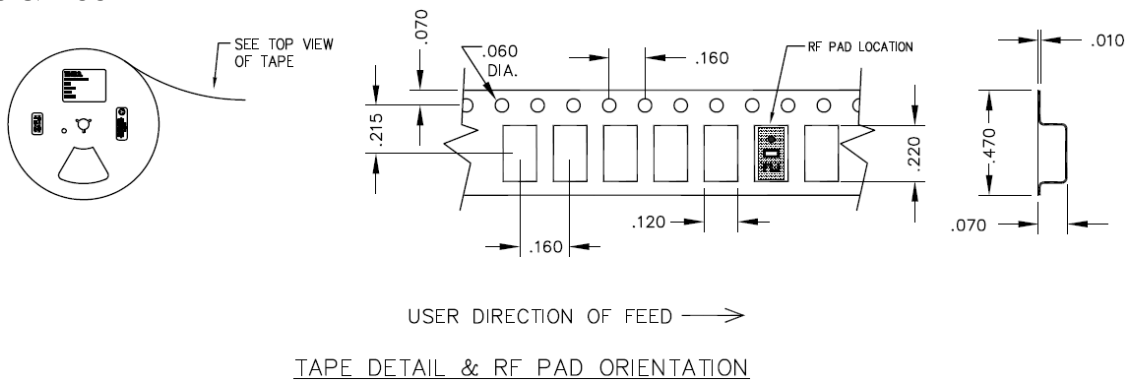
Power de-rating:



Mounting Footprint:



Tape & Reel:



Contact us:
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