



Features:

- RoHS Compliant
- 100 Watts
- DC 4.0 GHz
- AIN Ceramic
- Non-Nichrome Resistive
 Element
- Low VSWR
- 100% Tested
- Small Size

Outline Drawing

Description

The B100NA20X4 is high performance Aluminum Nitride (AIN) chip attenuator intended as a cost competitive alternative to Beryllium Oxide (BeO). The termination 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 termination is also RoHS compliant!

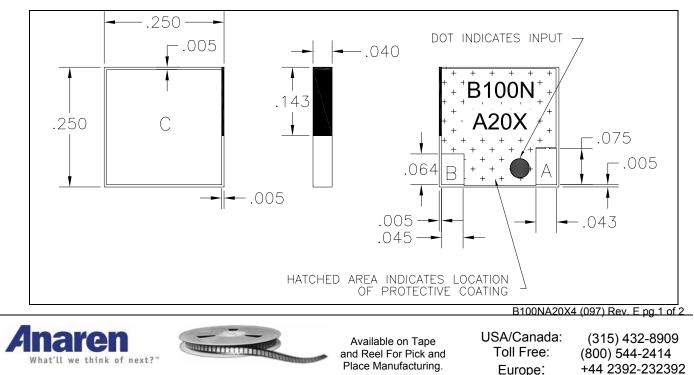
General Specifications

Resistive Element	Thick film		
Substrate	AIN Ceramic		
Terminal Finish	Matte Tin over Nickel Barrier		
Operating Temperature	-55 to +150°C (see de rating chart)		
Tolerance is ±0.010", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. All dimensions in inches.			

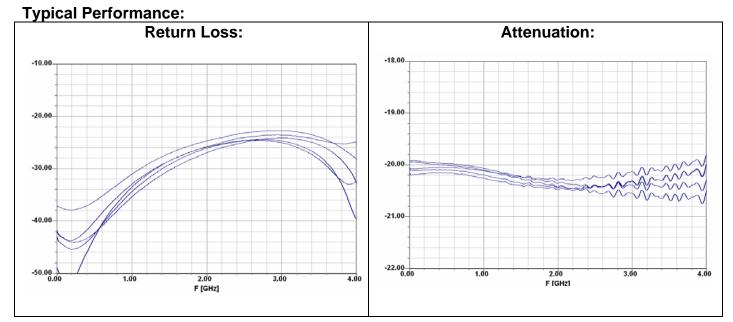
Electrical Specifications

Attenuation Value:		20 dB, ± 1.0 dB, DC – 4.0 GHz		
Power:	100 '	100 Watts		
Frequency Range:		- 4.0 GHz		
Return Loss		>20 dB to 2.7 GHz		
	>19 dB to 4.0 GHz			
Value (A-B)	Value (A-C)	Value (B-C)	Tolerance	
81.8 Ω	50.9 Ω	50.9 Ω	± 4%	
Specification based on unit properly installed using suggested mounting instructions				

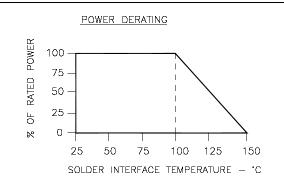
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**



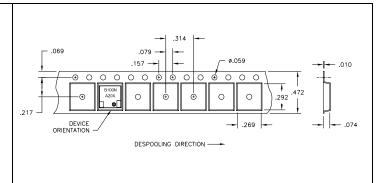




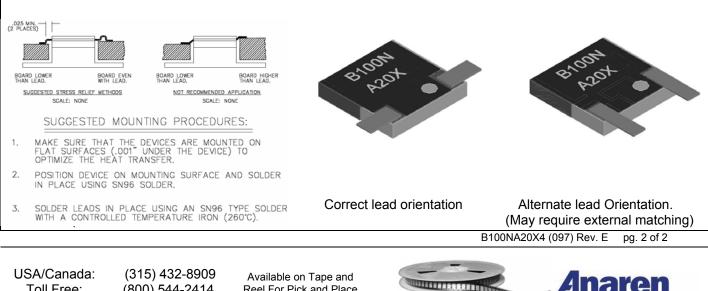
Power De-rating:



Tape & Reel:



Mounting Footprint and Procedure:



Toll Free: Europe:

(800) 544-2414 +44 2392-232392 Reel For Pick and Place Manufacturing.

