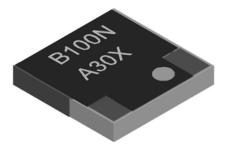


# Chip Attenuator 100 Watts, 30 dB



# Features:

- RoHS Compliant
- 100 Watts
- DC 2.7 GHz
- AIN Ceramic
- Non-Nichrome Resistive
  Element
- Low VSWR
- 100% Tested
- Small Size

# **Outline Drawing**

## **Description**

The B100NA30X4 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**

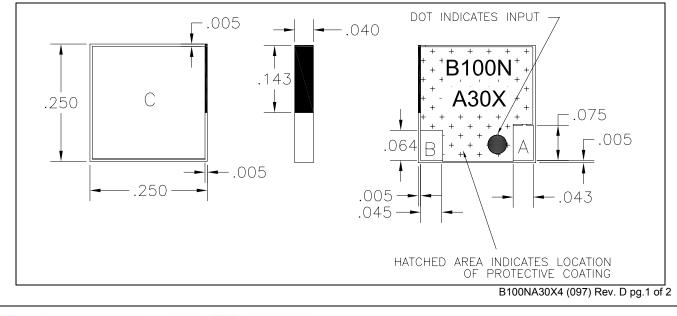
Resistive Element	Thick film		
Substrate	AIN Ceramic		
Terminal Finish	Matte Tin over Nickel Barrier		
Operating Temperature	-55 to +150°C (see de rating chart)		
Tolerance is ±0.010", unless otherwise specified. Designed to meet of exceed			

applicable portions of MIL-E-5400. All dimensions in inches.

## Electrical Specifications

Attenuation Val		30 dB ± 2.0 dB, DC – 1.5 GHz 30 dB ± 2.5 dB, 1.5GHz – 2.5GHz		
Power:	100 Watts			
Frequency Range: DC – 2.7 GHz				
>24 dB to 2.2 GHz				
Return Loss:  >20 dB to 2.7GHz				
Value (A-B)	Value (A-C)	Value (B-C)	Tolerance	
93.5 Ω	49.9 Ω	49.9 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.** 

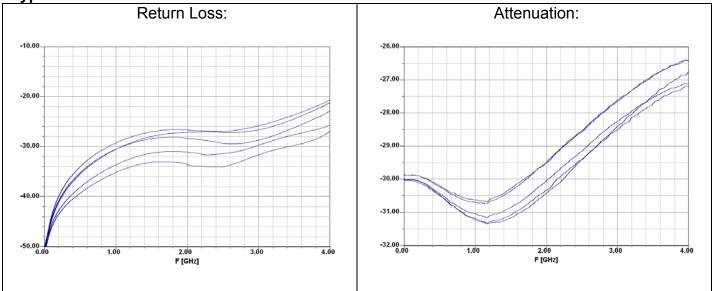




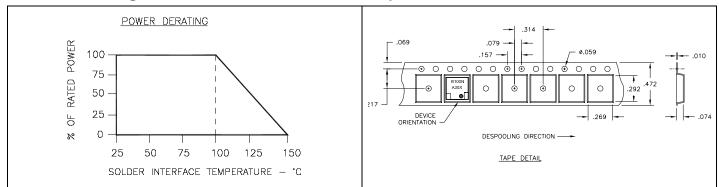


Available on Tape and Reel For Pick and Place Manufacturing. USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392



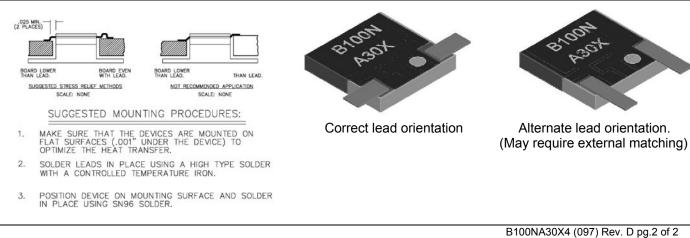


#### **Power De-rating:**



Tape & Reel:

#### Mounting Footprint and Procedure:



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