



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

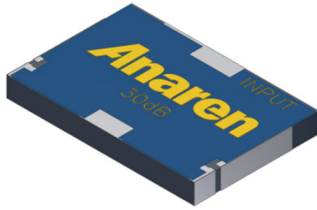
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Chip Attenuator 150 Watts, 30dB



Description

The B150NA30X4 is a high performance Aluminum Nitride (AlN) chip attenuator intended as a cost competitive alternative to Beryllium Oxide (BeO). The attenuator 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 attenuator is also RoHS compliant!

Features:

- RoHS Compliant
- 150 Watts
- DC – 2700 MHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

General Specifications

Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +200°C (see de rating chart)

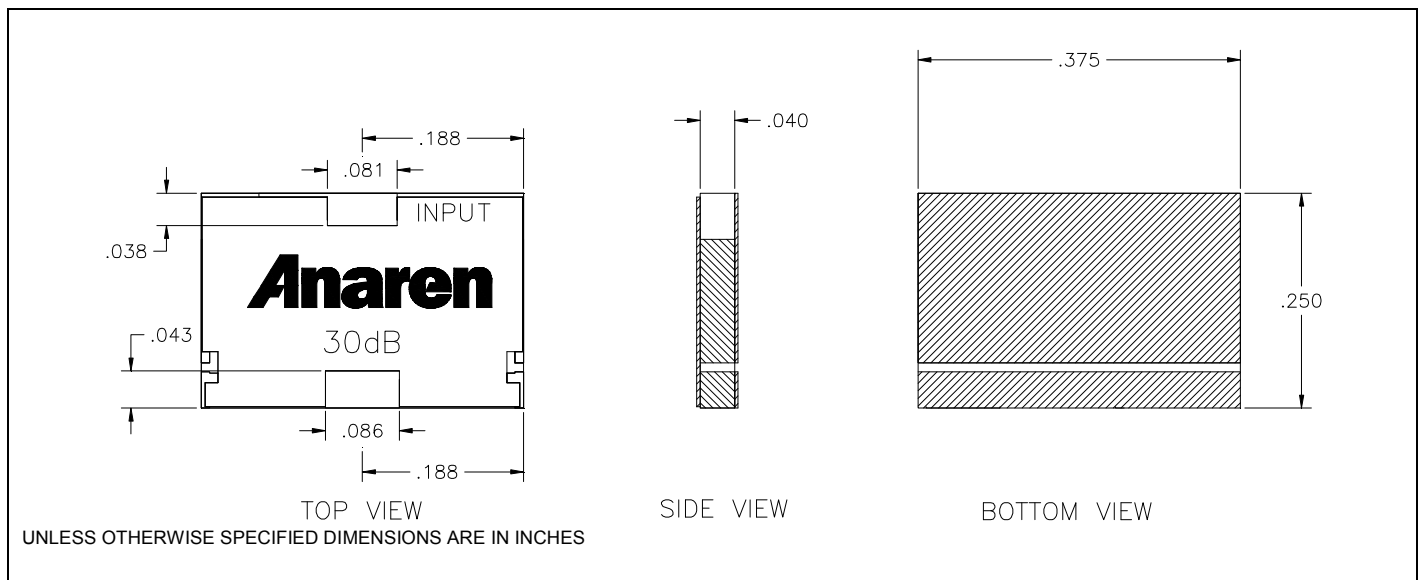
Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Attenuation Value:	30 dB	+0.5dB, -1dB; DC – 869MHz ± 0.5 dB; 869MHz – 2.2GHz +0.5dB, -1dB; 2.2GHz – 2.7GHz
Power:	150 Watts	
Frequency Range:	DC – 2.7GHz	
Input Return Loss:	20dB	

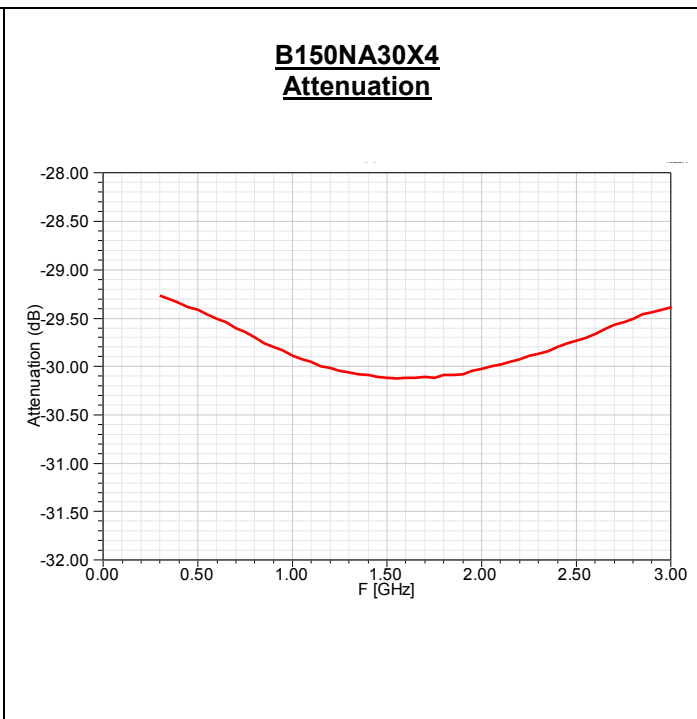
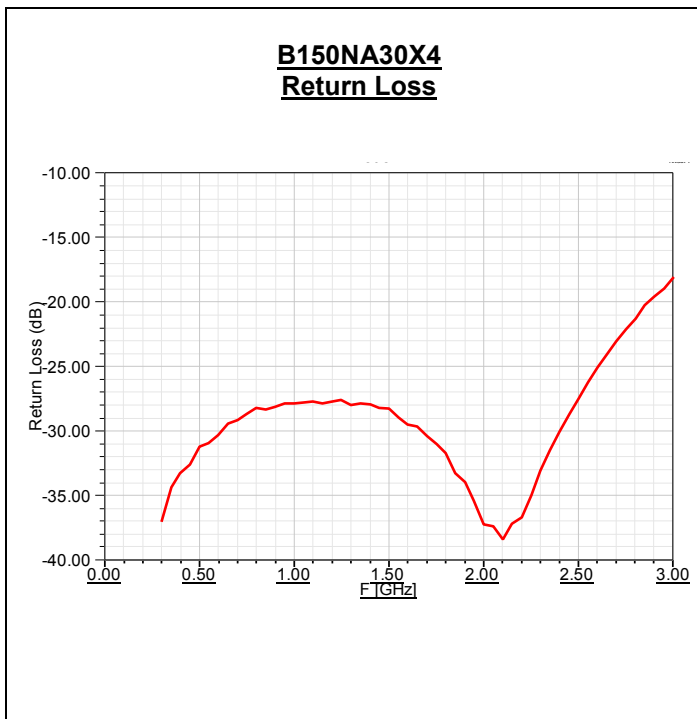
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Outline Drawing

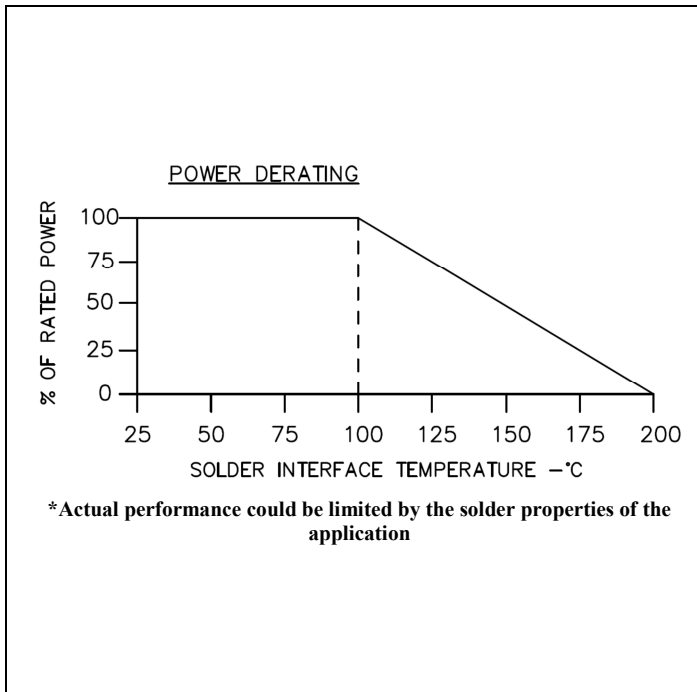


Model B150NA30X4

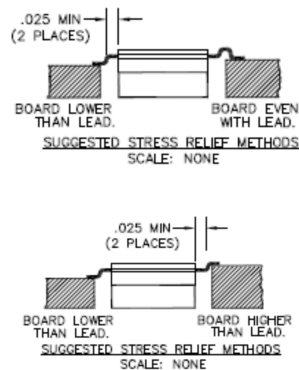
Typical Performance:



Power De-rating:



Mounting Footprint and Procedure:



- SUGGESTED MOUNTING PROCEDURES:**
1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES TO OPTIMIZE THE HEAT TRANSFER.
 2. RECOMMENDED FLATNESS UNDER THE DEVICE IS 0.002".