

# Anaren

## RF Power

**RoHS  
Compliant**

### Model B100NA30X4

**Chip Attenuator  
100 Watts, 30dB**



#### General Specifications

Resistive Element	Thick film
Substrate	Aluminum Nitride ceramic
Terminals:	Matte Tin over Nickel Barrier

#### Electrical Specifications

Attenuation Range:	30 dB $\pm$ 2.5 dB to 2.7 GHz
Frequency Range;	DC – 2.7 GHz
Power:	100 Watts
VSWR	24 dB to 2.2 GHz 20 dB to 2.7 GHz

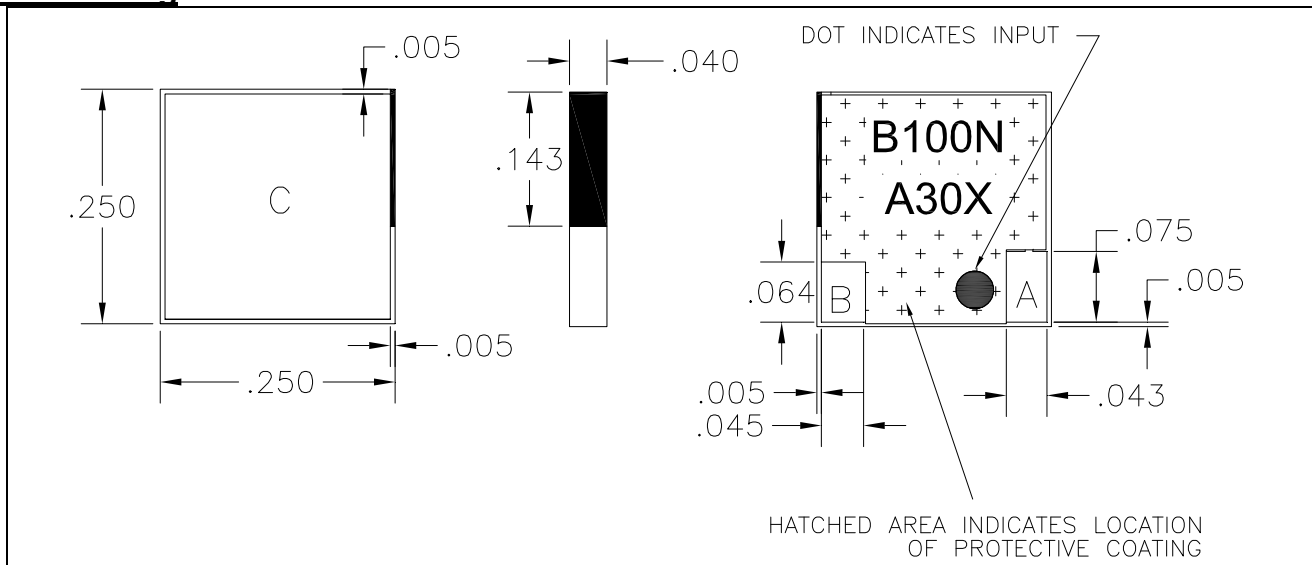
**Note:** Tolerance is  $\pm 0.010"$ , unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 150°C (see chart for derating temperatures).  
All dimensions in inches.

**Specifications subject to change with out notice.**

#### Features:

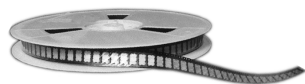
- DC – 2.7 GHz
- 100 Watts
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- RoHS Compliant

#### Outline Drawing



B100NA30X4 (097) Rev E

**Anaren**  
What'll we think of next?™

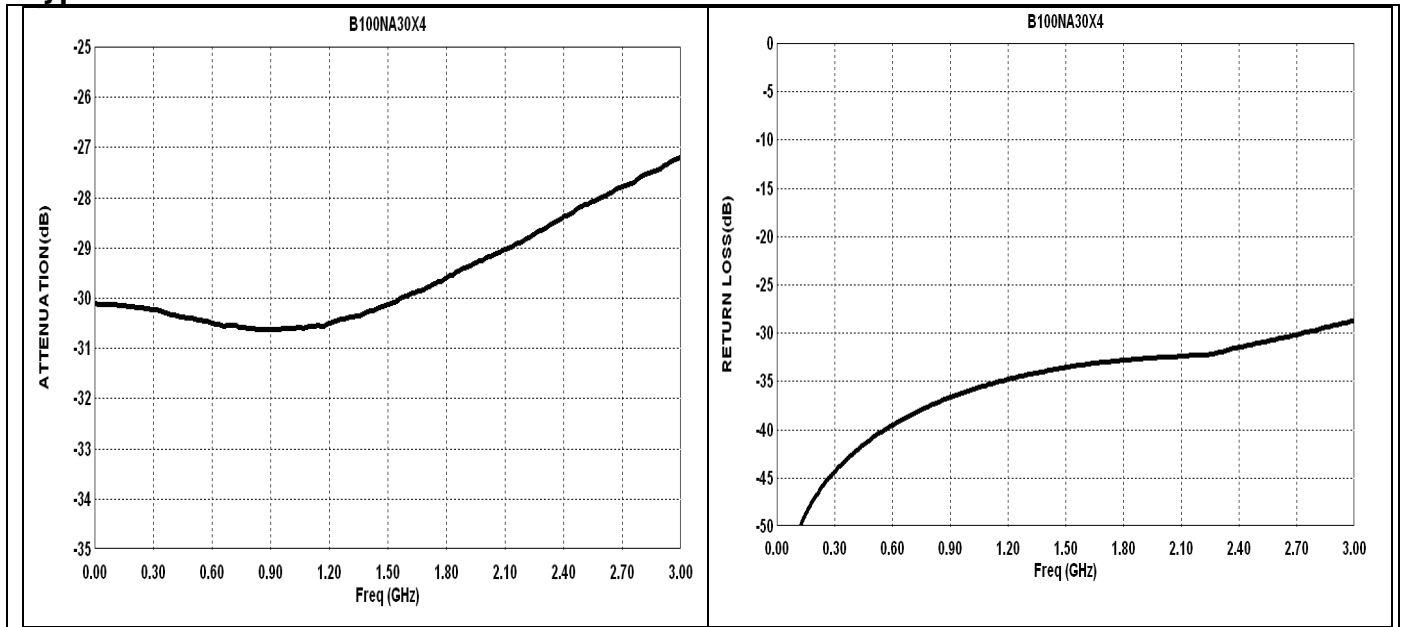


Available on Tape  
and Reel For Pick and  
Place Manufacturing.

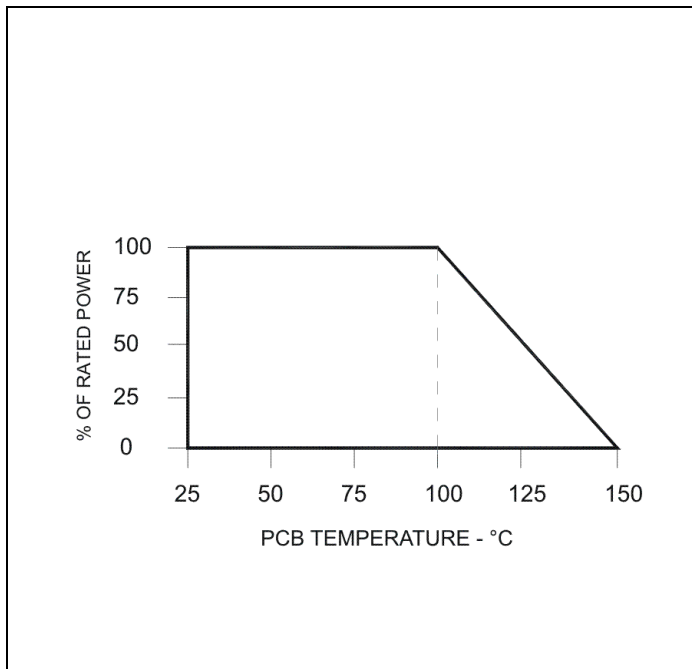
USA/Canada: (315) 432-8909  
Toll Free: (800) 544-2414  
Europe: +44 2392-232392



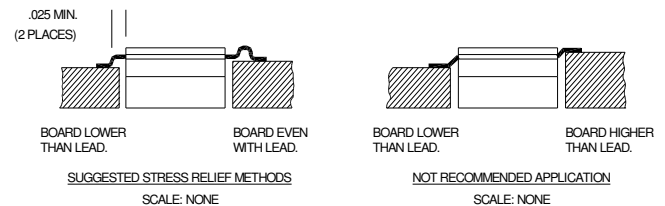
## Typical Performance:



## Power De-rating:



## Mounting Footprint and Procedure:



### SUGGESTED MOUNTING PROCEDURES:

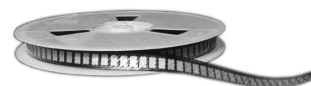
1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. DRILL & TAP THE HEATSINK FOR THE APPROPRIATE THREAD SIZE TO BE USED.
3. COAT HEATSINK WITH A MINIMUM AMOUNT OF HIGH QUALITY SILICONE GREASE (.001" MAX. THICKNESS).
4. POSITION DEVICE ON MOUNTING SURFACE & SECURE USING SOCKET HEAD SCREWS, FLAT & SPLIT WASHER. TORQUE SCREWS TO THE APPROPRIATE VALUE. MAKE SURE THAT THE DEVICE IS FLAT AGAINST THE HEATSINK. (CARE SHOULD BE TAKEN TO AVOID UPWARD PRESSURE OF THE LEADS TOWARDS THE LID).
5. SOLDER LEADS IN PLACE USING APPROPRIATE SOLDER WITH A CONTROLLED TEMPERATURE IRON.

\*\* FOR MORE DETAILS CONTACT FACTORY \*\*

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