



#### Features:

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

# Surface Mount Attenuator 150 Watts

### **Description**

The D150NA30C4 is high performance Aluminum Nitride (AIN) surface mount attenuator. It is intended as a cost competitive alternative to standard attenuators and is well suited to all cellular frequency bands such as; GSM, DCS, PCS, PHS and UMTS. The high power handling makes the part ideal for circulator or coupler termination. The attenuation port is designed for power sampling.

#### **General Specifications**

Resistive Element Thick film
Substrate AIN Ceramic

Terminal Finish Matte Tin over Nickel Barrier

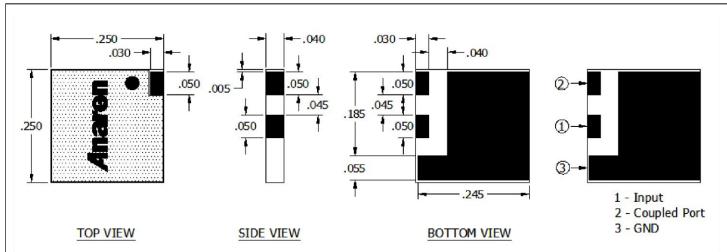
Operating Temperature -50 to +200°C (see de rating chart)

#### **Electrical Specifications**

Power: 150 Watts
Frequency Range: DC – 4.0 GHz
Return Loss 20 dB
Attenuation See table

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

#### **Outline Drawing**



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



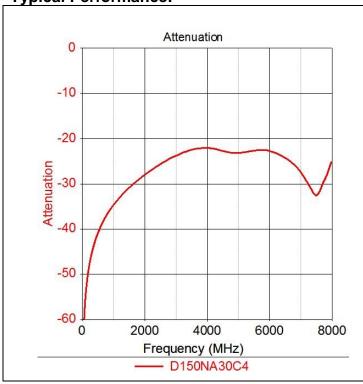


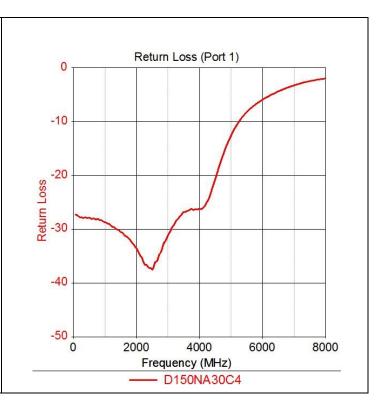
Available on Tape and Reel For Pick and Place Manufacturing.

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



**Typical Performance:** 





## Attenuation (Db):

	D150NA30C4	
Frequency	Nominal	Attenuation
	Attnenuation	Tolerance
700 MHz	-38.0 dB	
1000 MHz	-34.8 dB	
1800 MHz	-29.2 dB	1/1 E dD
2200 MHz	-27.1 dB	+/-1.5 dB
2500 MHz	-25.7 dB	
3700 MHz	-22.3 dB	





## **Power De-rating:**

#### POWER DERATING OF RATED POWER 100-75-50 -25 -0 % 175 25 50 75 200 100 125 150 SOLDER INTERFACE TEMPERATURE - C \*Actual performance could be limited by the solder properties of the application

## Tape & Reel:

