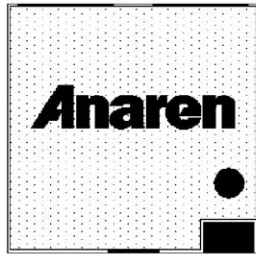


### Surface Mount Attenuator 150 Watts



#### Description

The D150NA30C4 is high performance Aluminum Nitride (AlN) 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.

#### Features:

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

#### General Specifications

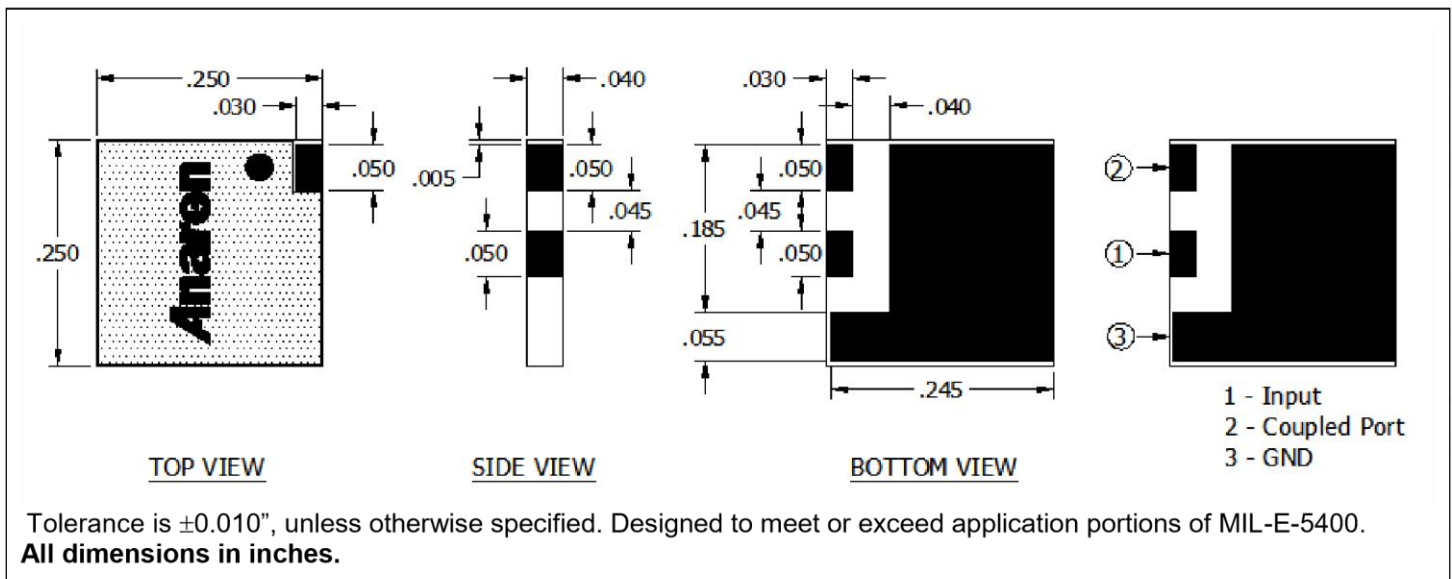
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-50 to +200°C (see de rating chart)

#### Electrical Specifications

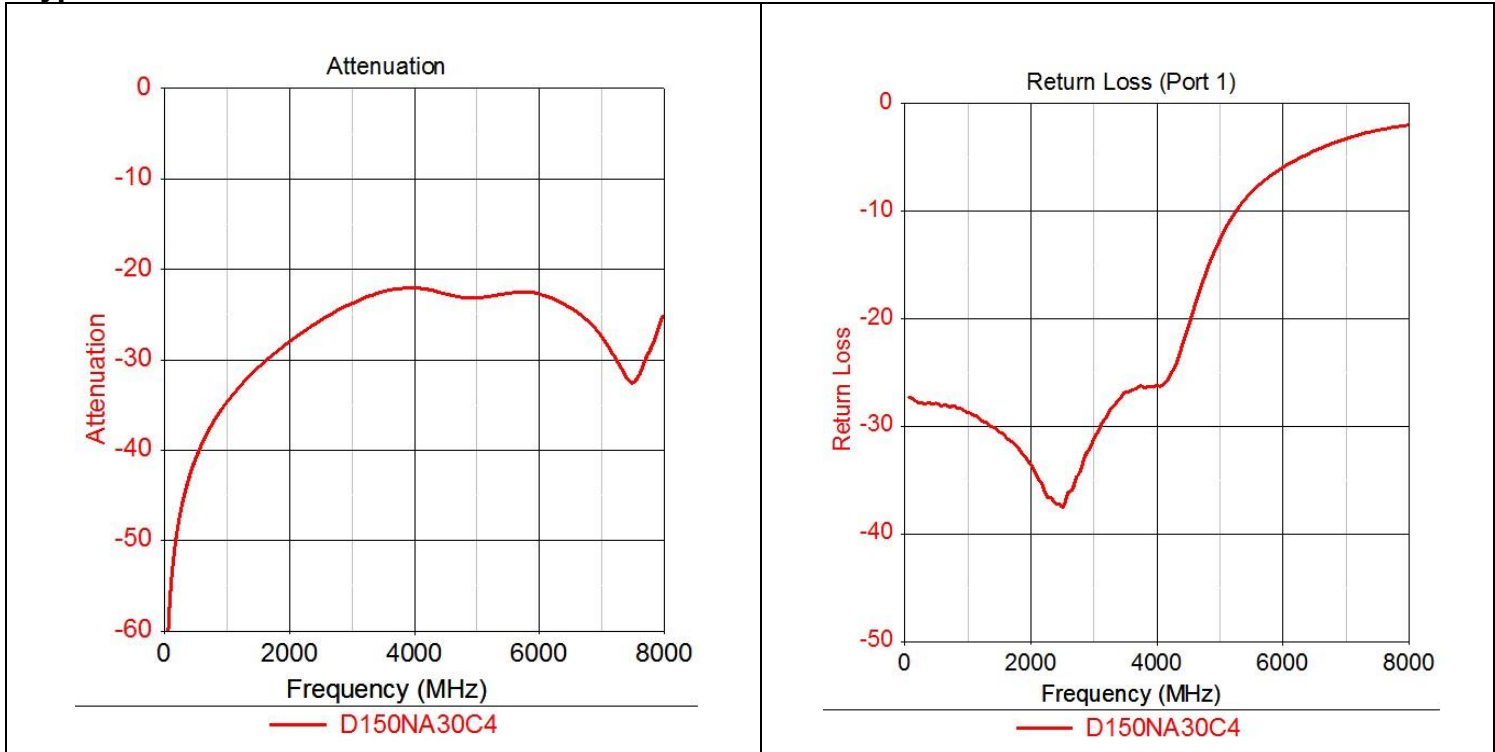
<b>Power:</b>	150 Watts
<b>Frequency Range:</b>	DC – 4.0 GHz
<b>Return Loss</b>	20 dB
<b>Attenuation</b>	See table

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

#### Outline Drawing



**Typical Performance:**

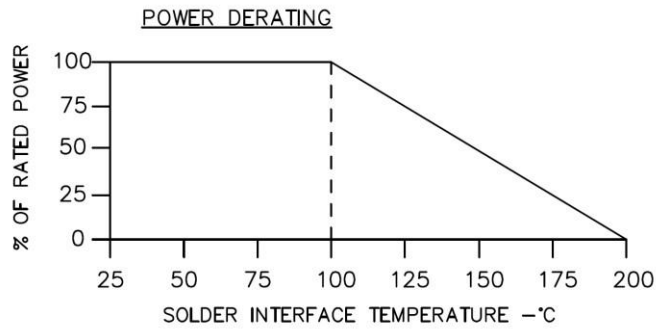


**Attenuation (Db):**

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



### Power De-rating:



\*Actual performance could be limited by the solder properties of the application

### Tape & Reel:

