



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!



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### 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

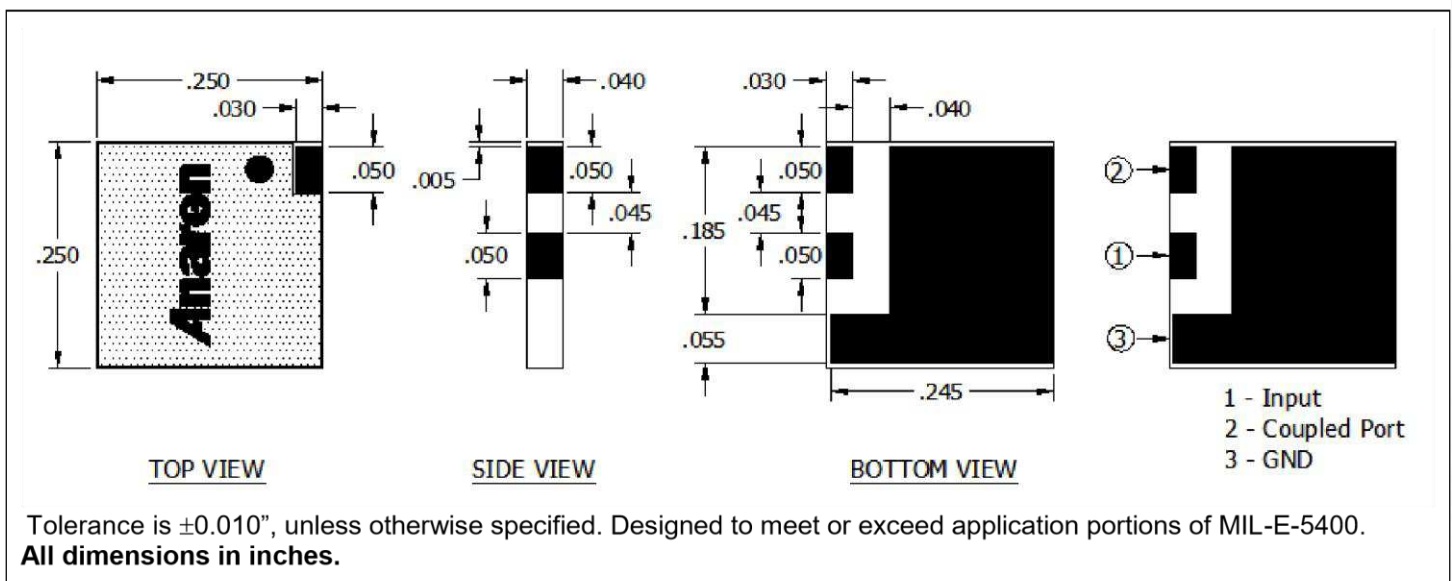
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-50 to +200°C (see de rating chart)

#### Electrical Specifications

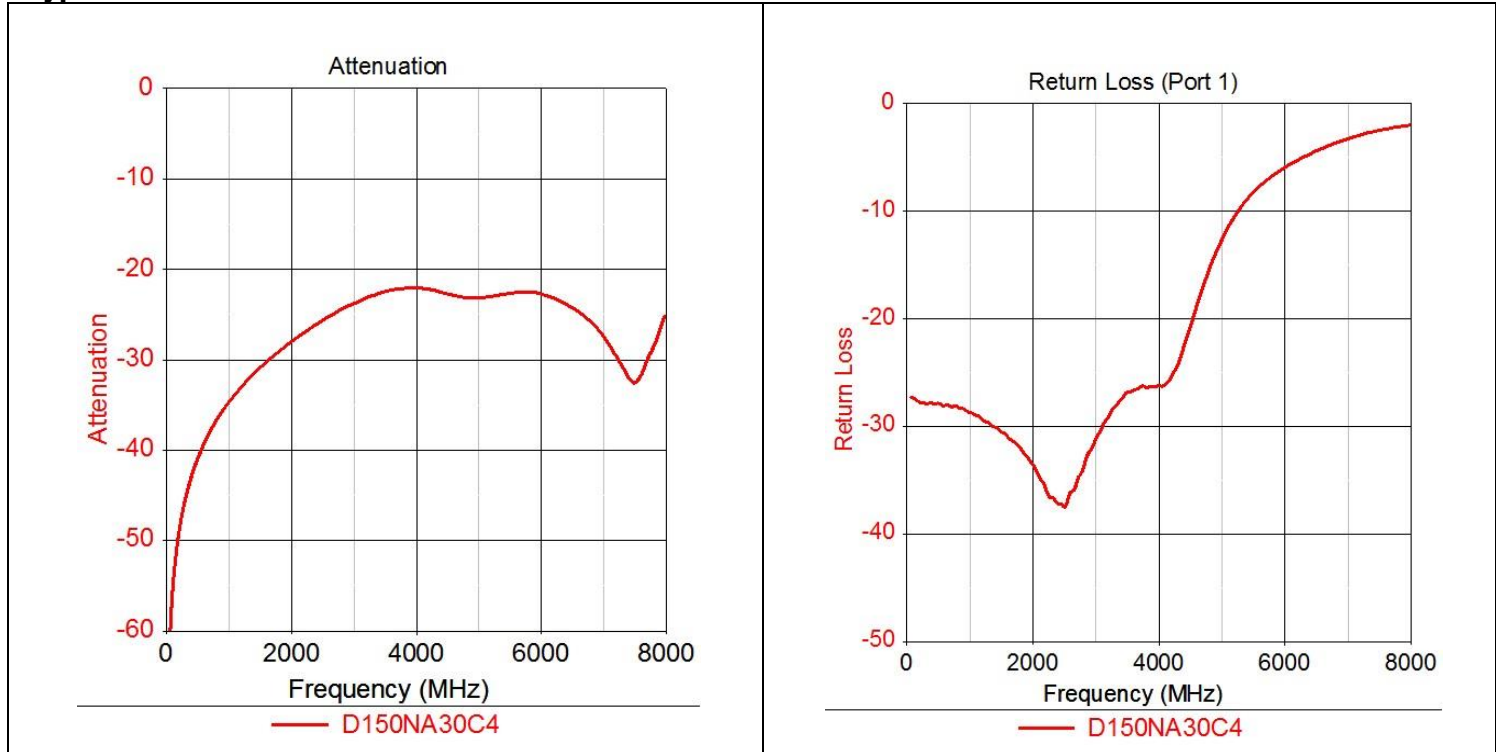
<b>Power:</b>	150 Watts
<b>Frequency Range:</b>	DC – 4.0 GHz
<b>Return Loss</b>	20 dB
<b>Attenuation</b>	See table

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

#### Outline Drawing



## Typical Performance:

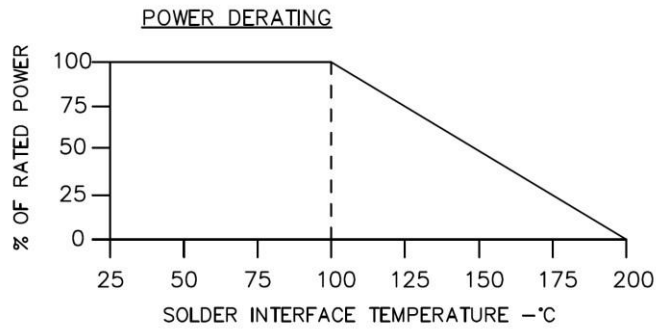


## Attenuation (Db):

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:

