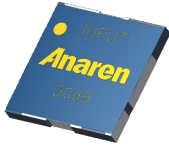


Surface Mount Attenuator 50 Watts, 30dB



Description

The D50AA30Z4A is a high performance Alumina (Al_2O_3) Surface mount 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!

General Specifications

Resistive Element	Thick film
Substrate	Al_2O_3 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

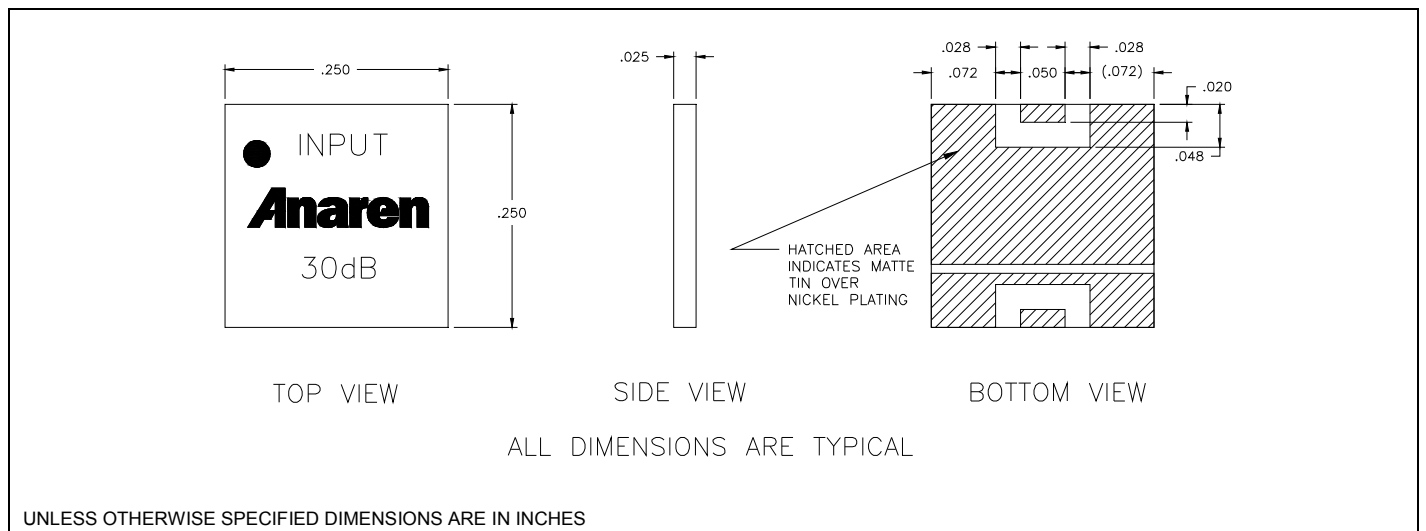
Frequency:	DC - 2.7GHz		
Power:	50W		
Attenuation Value:	30 dB	-0.5dB, +1dB;	DC - 2.0GHz
		-1dB, +1dB;	2.0 – 2.3GHz
		-1.5dB, +1dB;	2.3 - 2.7GHz
Input Return Loss:	≥ 19.1 dB	DC – 2.3GHz	
	≥ 15 dB	2.3 – 2.7GHz	

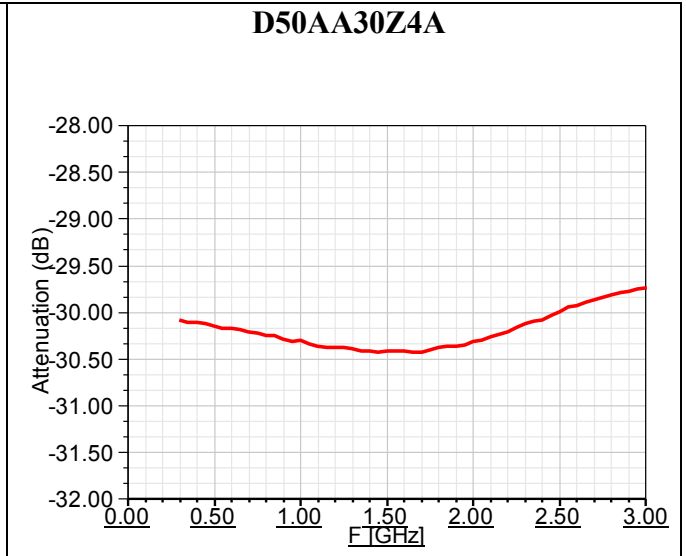
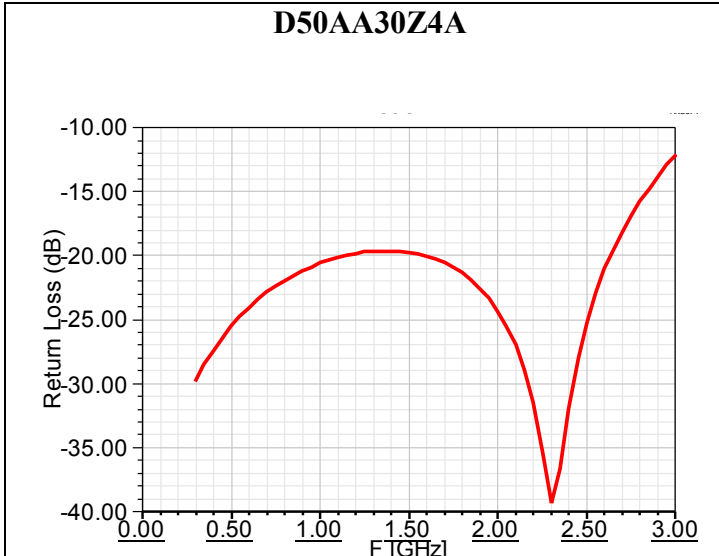
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Features:

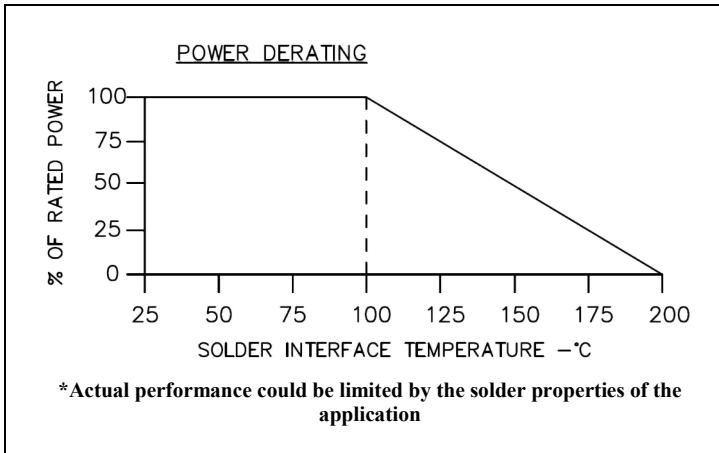
- RoHS Compliant
- 50 Watts
- DC – 2700 MHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

Outline Drawing

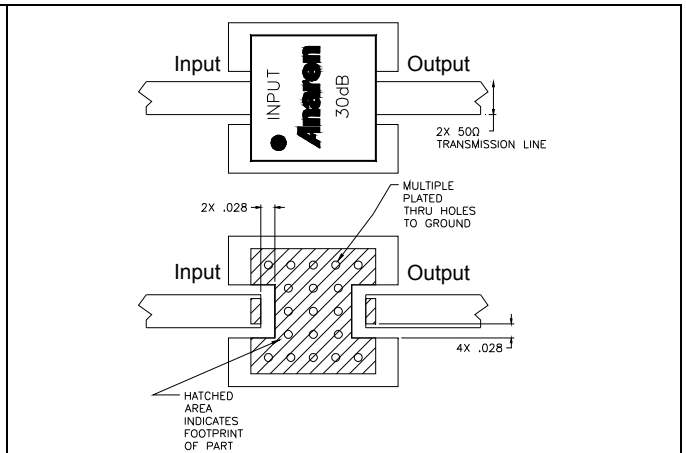




Power De-rating:



Mounting Footprint:



Tape and Reel:

