Surface Mount Attenuator
50 Watts, 30dB



Description:

The D50AA30Z4 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!

Features:

- **RoHS Compliant**
- **50 Watts**
- **DC – 2300 MHz**
- **AlN Ceramic**
- **Non-Nichrome Resistive Element**
- **Low VSWR**
- **100% Tested**

General Specifications:

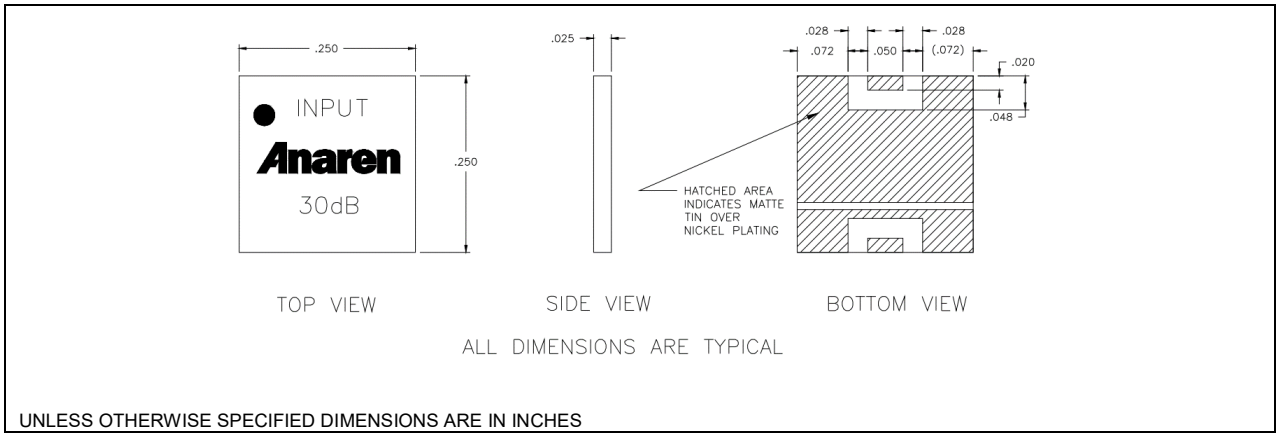
Resistive Element	Thick Film
Substrate	Al_2O_3 Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +200°C (see de rating chart)

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:	≥ 19.1dB	DC – 2.3GHz	
	≥ 15dB	2.3 – 2.7GHz	

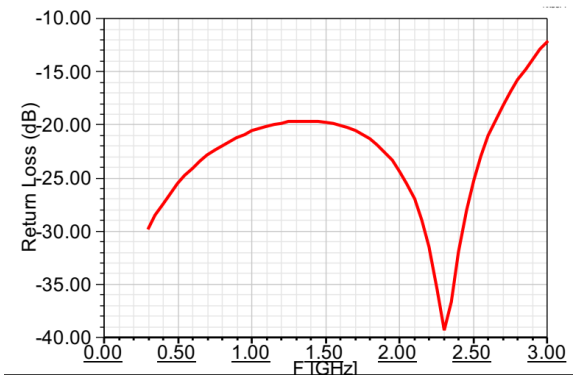
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

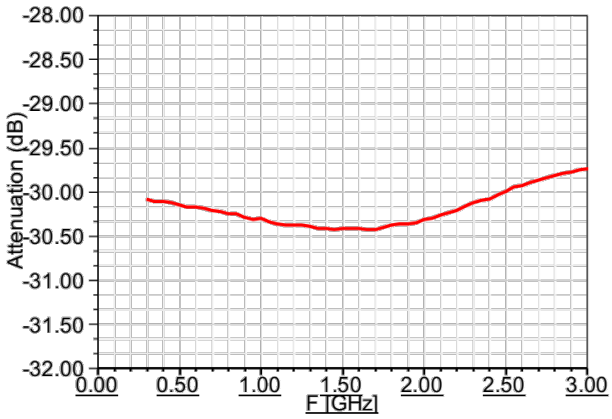
Outline Drawing:



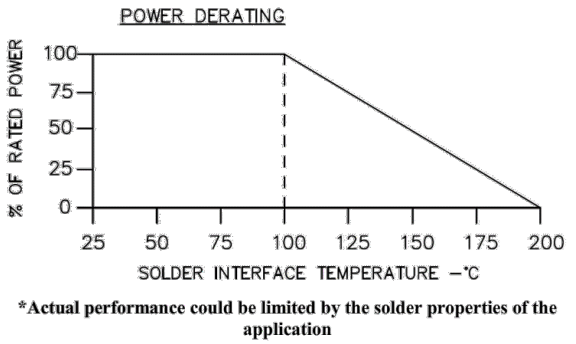
Tolerance is ±0.010”, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches**

Typical Performance:



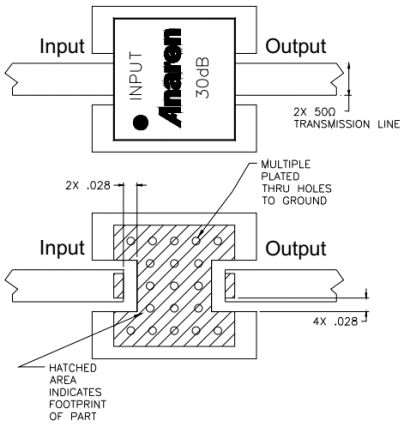


Power de-rating:

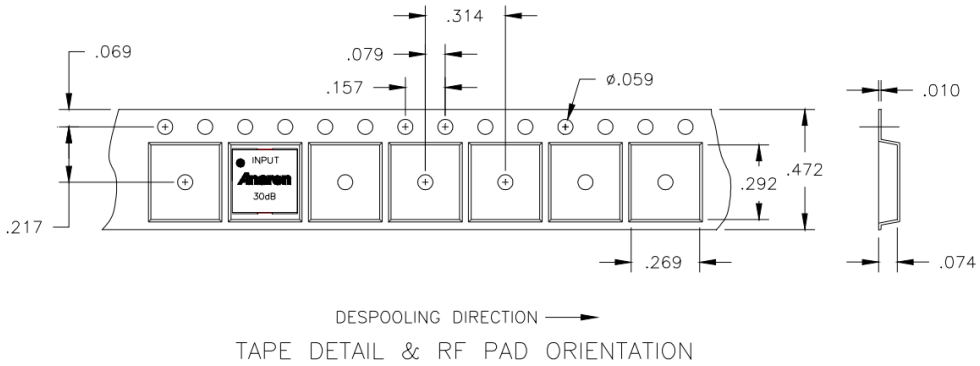


***Actual performance could be limited by the solder properties of the application**

Mounting Footprint:



Tape & Reel:



Contact us:
rf&s_support@ttm.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TTM Technologies:

D50AA30Z4A