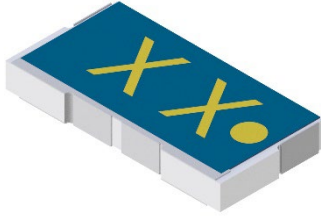


Surface Mount Attenuator 10 Watts



The D10AAXXZ4 is high performance Alumina (Al_2O_3) surface mount attenuator intended as a lower cost alternative to Aluminum Nitride (AlN) and 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 inter-stage matching, directional couplers, and for use in isolators.

Features:

- RoHS Compliant
- 10 Watts
- Low Cost
- DC – 4.0GHz
- Alumina Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

General Specifications

Resistive Element	Thick film
Substrate	Alumina Ceramic
Terminal Finish	Matte Tin over Sulfamate Nickel
Operating Temperature	-55 to +125°C (see de rating chart)

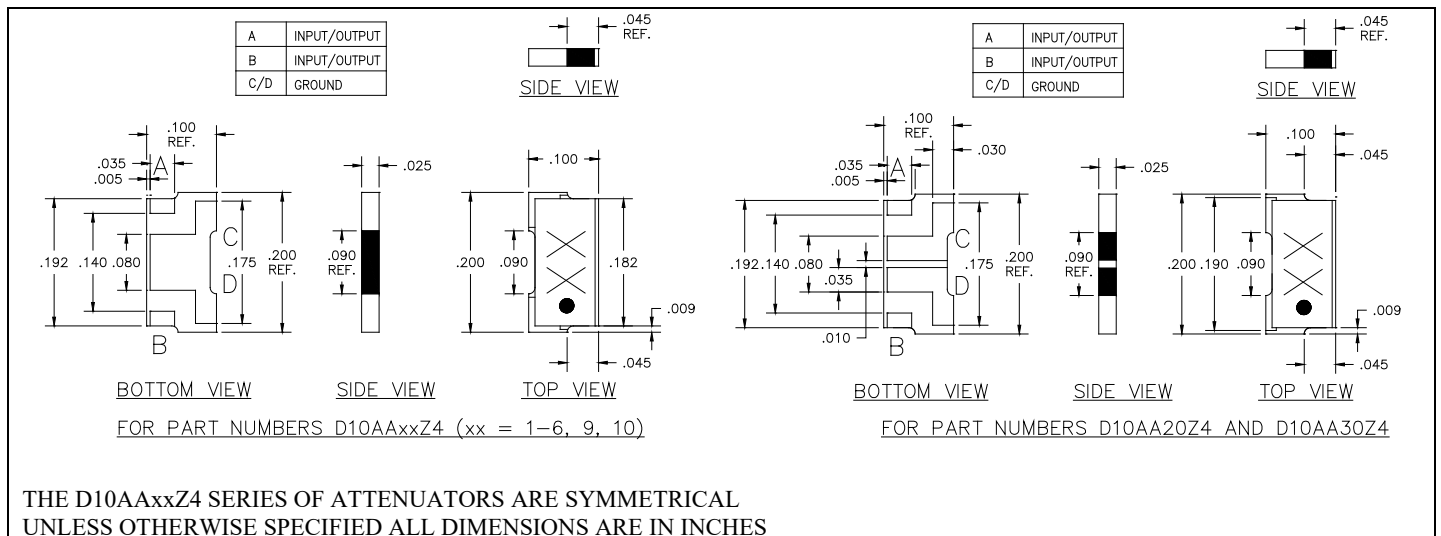
Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Attenuation Value:	1 – 7, 9, 10, 20 & 30dB
Power:	10 Watts
Frequency Range:	DC – 4.0GHz
VSWR	See Specification Table

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

Outline Drawing



Typical Specifications

PART NUMBER	Frequency Range DC – 3.0Ghz		Frequency Range 3.0 – 4.0Ghz	
	ATTENUATION (dB)	RL (dB)	ATTENUATION (dB)	RL (dB)
D10AA1Z4	1 ±0.30	19	1 ±0.30	15
D10AA2Z4	2 ±0.30	19	2 ±0.30	15
D10AA3Z4	3 ±0.30	19	3 ±0.30	15
D10AA4Z4	4 ±0.30	19	4 ±0.40	14
D10AA5Z4	5 ±0.30	19	5.1 ±0.35	14.75
D10AA6Z4	6 ±0.30	19	6 ±0.30	15
D10AA7Z4	7 ±0.30	19	7 ±0.30	12
D10AA9Z4	9 ±0.25	19	9 ±0.30	12
D10AA10Z4	10 ±0.25	19	10 ±0.35	14.75
D10AA20Z4	20 ±0.50	19	19.5 ±0.50	14.75
D10AA30Z4	30 ±1.50	19	30.25 ±1.5	15

Power De-rating

Tape and Reel

