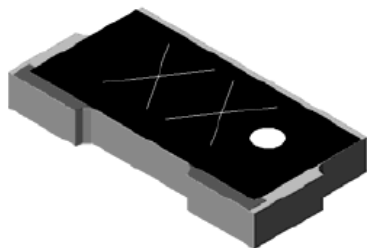


Surface Mount Attenuator 10 Watts



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 – 3.0GHz
- 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)

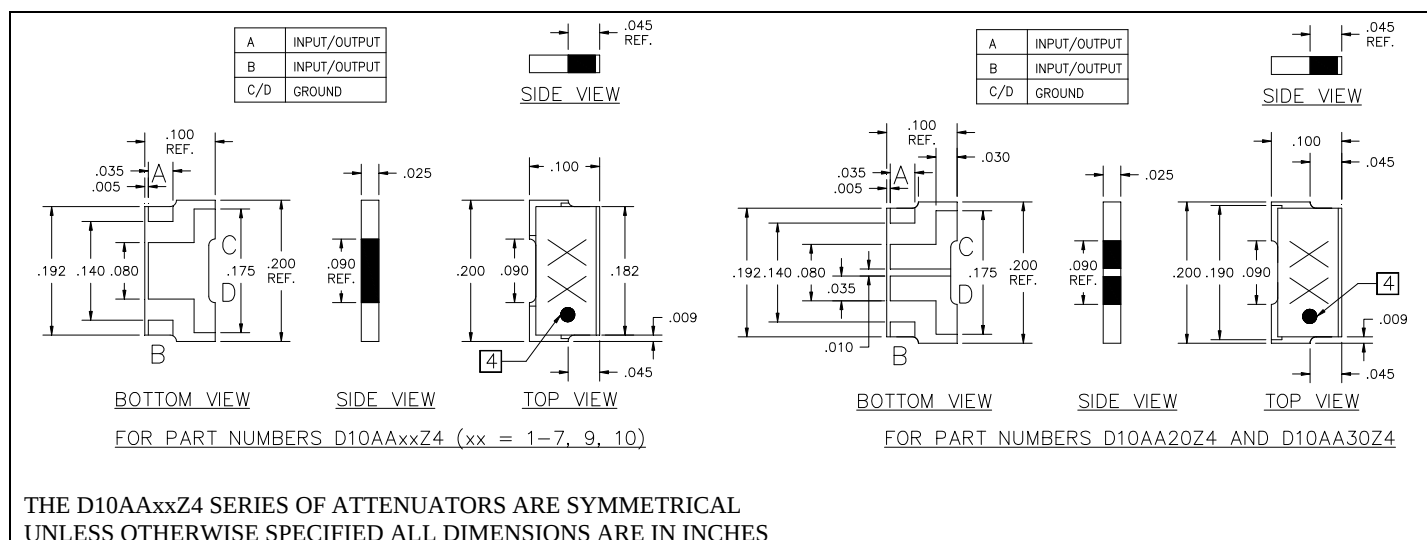
Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches.

Electrical Specifications

Attenuation Value:	1 – 7, 9, 10, 20 & 30dB
Power:	10 Watts
Frequency Range:	DC – 3.0GHz
VSWR	<1.25:1

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

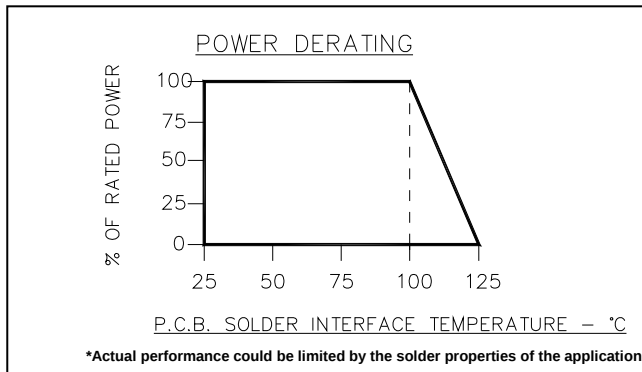
Outline Drawing



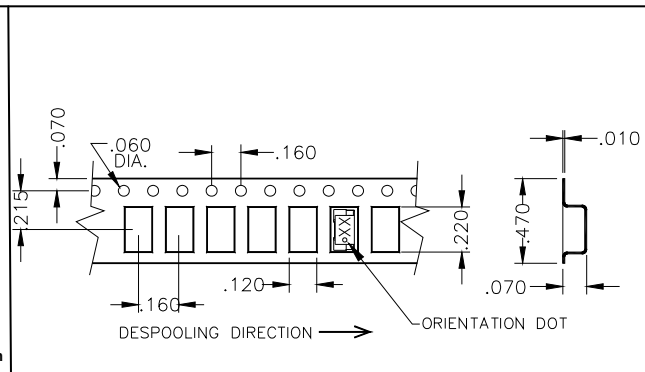
Specifications

PART NUMBER	ATTENUATION (dB)	TOL. (±dB)	POWER (WATTS)	VSWR	FREQ (GHZ)
D10AA1Z4	1	0.30	10	1.25:1	3.0
D10AA2Z4	2	0.30	10	1.25:1	3.0
D10AA3Z4	3	0.30	10	1.25:1	3.0
D10AA4Z4	4	0.30	10	1.25:1	3.0
D10AA5Z4	5	0.30	10	1.25:1	3.0
D10AA6Z4	6	0.30	10	1.25:1	3.0
D10AA7Z4	7	0.30	10	1.25:1	3.0
D10AA9Z4	9	0.25	10	1.25:1	3.0
D10AA10Z4	10	0.25	10	1.25:1	3.0
D10AA20Z4	20	0.50	10	1.25:1	3.0
D10AA30Z4	30	1.50	10	1.25:1	3.0

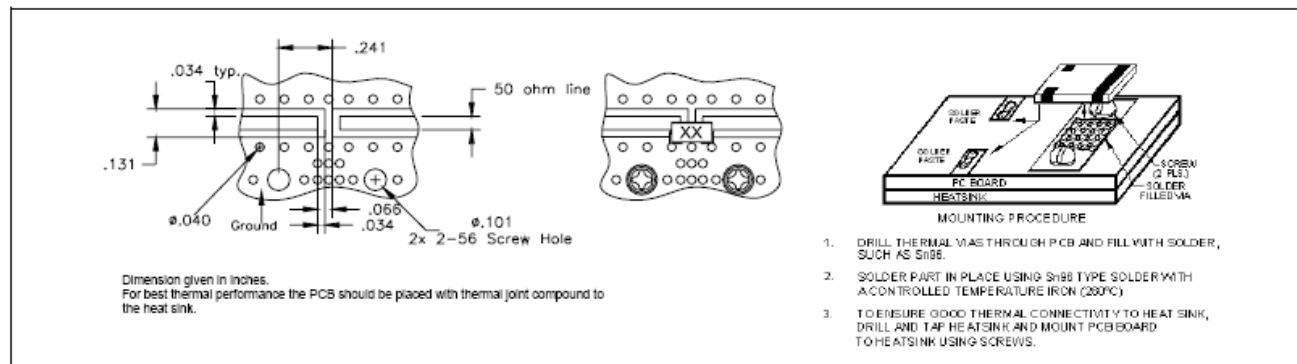
Power De-rating



Tape and Reel



Mounting Footprint and Procedure



Mouser Electronics

Authorized Distributor

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

Anaren:

[D10AA10Z4](#) [D10AA20Z4](#) [D10AA30Z4](#) [D10AA7Z4](#)