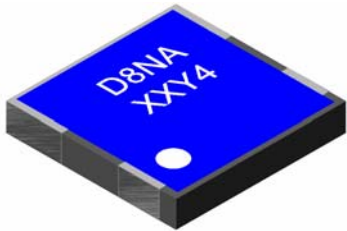




### Surface Mount Attenuator 8 Watts

#### Description

The D8NAXXY4 is high performance Aluminum Nitride (AlN) surface mount attenuator intended as a lower cost 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 inter-stage matching, directional couplers, and for use in isolators.



#### General Specifications

<b>Resistive Element</b>	Thick film
<b>Substrate</b>	Aluminum Nitride Ceramic
<b>Terminal Finish</b>	Matte Tin over Sulfamate Nickel
<b>Operating Temperature</b>	-55 to +150°C (see 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

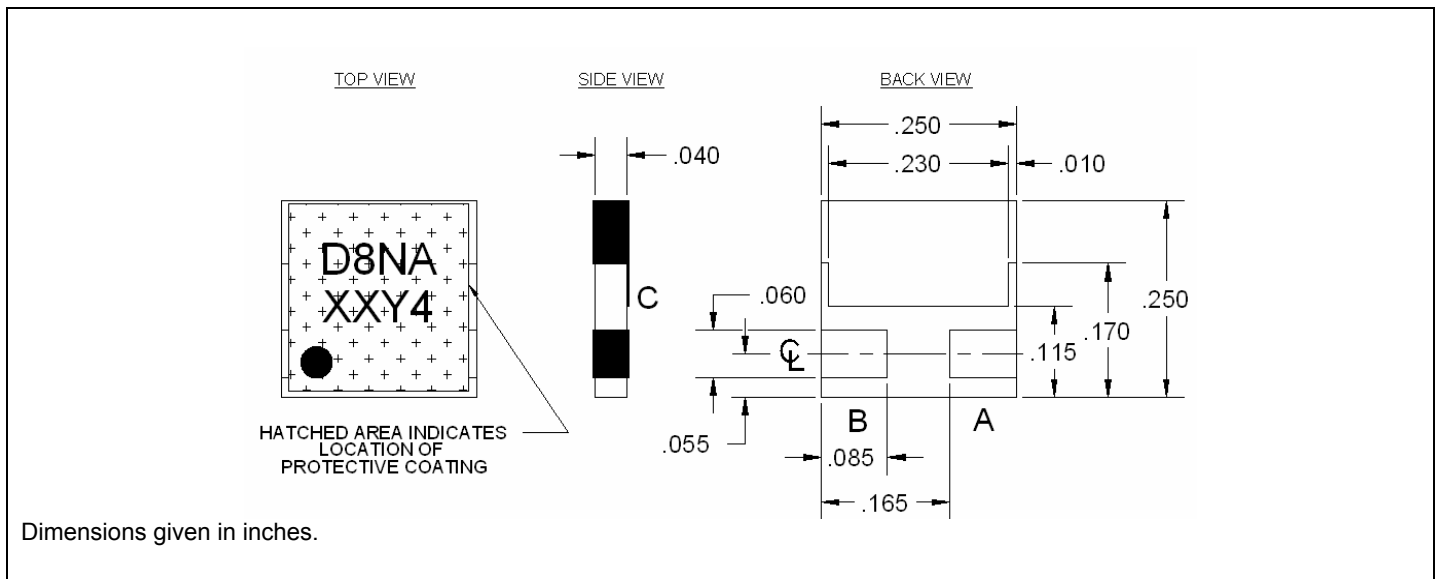
<b>Attenuation Value:</b>	1 – 6, 9, 10dB
<b>Power:</b>	8 Watts
<b>Frequency Range:</b>	DC – 2.0 GHz
<b>V.S.W.R.:</b>	<1.25:1

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

#### Features:

- RoHS compliant
- Low Cost
- Surface Mount
- Aluminum Nitride Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

#### Outline Drawing



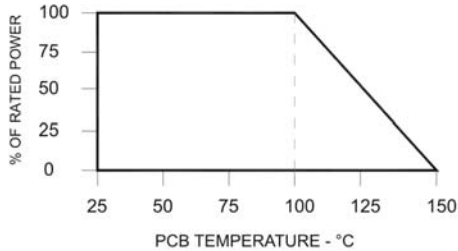
Rev. 2/23/06



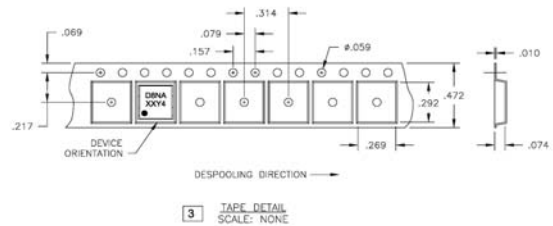
### Specifications:

PART NUMBER	ATTENUATION(dB)	TOL. (±dB)	POWER (WATTS)	VSWR	FREQ (GHZ)
D8NA1Y4	1	0.2	8	1.25:1	2.0
D8N A2Y4	2	0.3	8	1.25:1	2.0
D8N A3Y4	3	0.3	8	1.25:1	2.0
D8N A4Y4	4	0.3	8	1.25:1	2.0
D8N A5Y4	5	0.3	8	1.25:1	2.0
D8N A6Y4	6	0.4	8	1.25:1	2.0
D8N A9Y4	9	0.6	8	1.25:1	2.0
D8N A10Y4	10	0.7	8	1.25:1	2.0

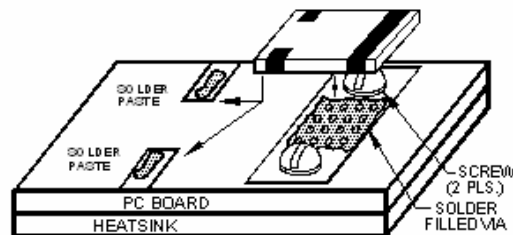
### Power De-rating:



### Tape & Reel:



### Mounting Footprint and Procedure:



USA/Canada: (315) 432-8909  
 Toll Free: (800) 544-2414  
 Europe: +44 2392-232392

Available on Tape and Reel For Pick and Place Manufacturing.



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