

ATTENUATORS, PILL, DROP-IN

DC-12.4 GHz

SERIES PSA

FEATURES

- Laser Trimmed
- 100% Tested
- Temperature Stable
- Fixtures Available

GENERAL INFORMATION

The PSA Series attenuators are "pill" devices designed for installation in stripline circuits. The element is a thin film laser trimmed chip, encapsulated in an epoxy. The resilient spring configuration provides positive ground plane contact, regardless of variations in ground plane spacing tolerances. The PSA Series attenuators are ideal for high-rel applications.

GENERAL SPECIFICATIONS

Impedance:	50 ohms
Operating Temperature:	-55°C to +150°C
Substrate:	96% Alumina
Resistive Element:	Proprietary Thin Film
Case, Cap & Tabs:	Copper, Gold Plated per MIL-G-45204

ORDERING INFORMATION

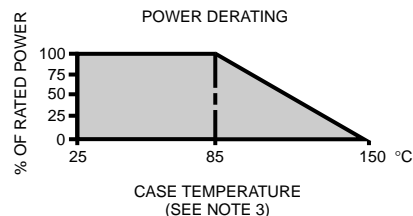
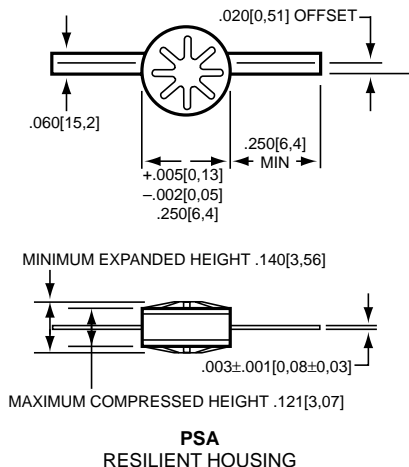
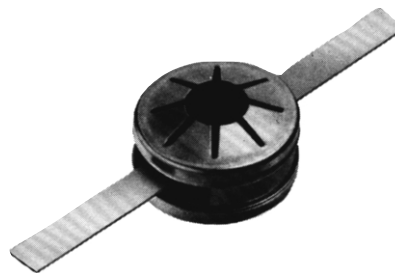
The attenuators are available in 1 dB increments from 1 through 20 dB. Specify desired attenuation value by adding the attenuation value to the basic series designation.

EXAMPLE:

PSA	—	X
Basic Series		dB Value

Notes:

1. Performance of other dB values vary dependent on attenuation. Contact factory for specifications for fractional dB values.
2. Performance is based on device mounted in matched 50 ohm line.
3. Rated power 1.5 watts input, 200 watts peak.
4. Standard values 1, 2, 3, 4, 5, 6, 10, 20 dB. Non-std values available as special order.



PERFORMANCE SPECIFICATIONS

Attenuation Increment (dB) Notes 1,4	Attenuation Accuracy (dB) Note 2			VSWR (Maximum) Note 2		
	DC - 4 GHz	4 - 8 GHz	8 - 12.4 GHz	DC - 4 GHz	4 - 8 GHz	8 - 12.4 GHz
1 - 3	±0.5	±0.5	±0.5	1.25	1.35	1.50
4 - 6	±0.5	±0.5	±0.5	1.25	1.35	1.50
7 - 10	±0.5	±0.5	±0.75	1.25	1.35	1.50
11 - 15	±0.75	+0.5 -3.0	+0.5 -4.0	1.25	1.35	1.50
16 - 20	±1.0	+0.5 -4.0	—	1.25 1.25	1.35 1.35	1.50 1.50

KEY: Inches[Millimeters] .XX ±.03 .XXX ±.010 [.X ±0.8 .XX ±0.25]



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