

A/ AH Attenuators SMA

Models: A, AH

**up to 18.0 GHz
2 Watts**

Specifications

Electrical

Frequency Range: DC - 18 GHz
Standard Freq. Values: 2.5, 6 & 18 GHz
Standard dB Values: 0 - 10, 12, 15, 20 & 30dB
 in 1 dB Increments

Attenuation Accuracy:

0 - 6 dB	±0.3dB
7 - 20 dB	±0.5dB
21 - 30 dB	±0.75dB

VSWR:

@ 30 MHz	1.05:1 Max.
DC - 4 GHz	1.15:1 Max.
4 - 8 GHz	1.20:1 Max.
8 - 12.4 GHz	1.25:1 Max.
12.4 - 18 GHz	1.35:1 Max.

Input Power: 2 Watts Avg. @ 25 °C
 Derated Linearly to 0.5 Watts @ + 125 C

Peak Power: 250 Watts Max.
 (5uSec Pulse, .05% Duty Cycle)

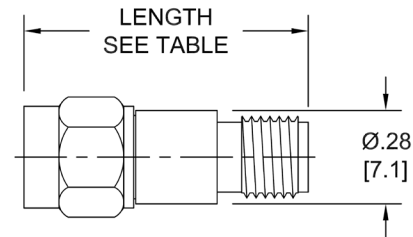
Impedance: 50 Ohms

Operating Temp. Range: -65°C to +125°C

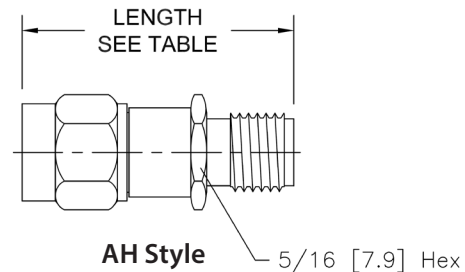
Mechanical

SMA Connectors: Passivated Stainless Steel
 Mates with MIL-STD-348

Conductors: Gold Plated Beryllium Copper



A Style



AH Style

Connector Configuration	Length			
	0 - 12 dB		13 - 30 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	.86 ± .03	[21.8 ± .08]	.99 ± .03	[25.8 ± .08]
Male/Male	.98 ± .03	[24.9 ± .08]	1.11 ± .03	[28.2 ± .08]
Female/Female	.87 ± .03	[22.1 ± .08]	1.00 ± .03	[25.4 ± .08]

How to Order:

Model Number: X X A Y - X X Y

Freq. Range
 6 = DC - 6GHz
 18 = DC - 18 GHz

Style
 A = A Style (No Hex)
 AH = AH Style (Hex)

Connector Configuration
 = Male/Female
 F = Fem/Fem
 M = Male/Male

dB Value

Ordering Examples:

Model Number: 18A-20
 DC - 18 GHz; 20 dB; SMA - Male/Fem; Style A

Model Number: 6AH-3M
 DC - 6 GHz; 3 dB; SMA - Male/Male; Style AH

*Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
 Design specifications are subject to change without notice.
 Contact factory for technical specifications before purchasing or use.*

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