

Specifications

Electrical

Frequency Range: DC - 18 GHz

Standard Freq. Values: 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

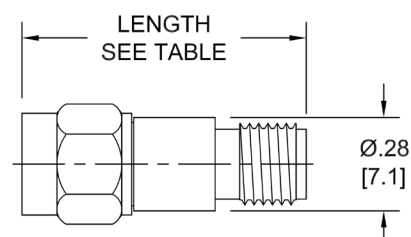
Operating Temp. Range: -65°C to +125°C

Mechanical

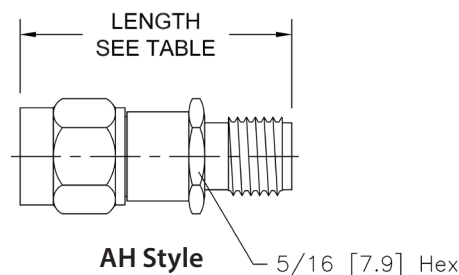
SMA Connectors: Passivated Stainless Steel

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]

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.

How to Order

Model Number: 18 AY - XX Y

Freq. Range

18 = DC - 18 GHz

Style

A = A Style (No Hex)

AH = AH Style (Hex)

dB Value

Connector Configuration

= Male/Female

F = Fem/Fem

M = Male/Male

Ordering Examples

Model Number: 18A-20

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

**Dimensions in brackets are expressed in millimeters and are for reference only.

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Spectrum Control reserves the right to make changes to datasheets at any time without notice.

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