

A/AH ATTENUATORS

SMA, up to 23 GHz, 2 Watts

SPECIFICATIONS:

Models: A, AH

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 23.0 GHz
Standard Freq. Values _____ 2.5, 6, 18 & 23 GHz
Standard dB Values* _____ 0-10, 12, 15, 20, & 30 dB
In 1 dB Increments
Attenuation Accuracy _____ DC - 18 GHz _____ 18 - 23 GHz
0 - 6 dB _____ ± 0.3 dB _____ ± 0.4 dB
7 - 20 dB _____ ± 0.5 dB _____ ± 0.6 dB
21 - 30 dB _____ ± 0.75 dB _____ ± 0.8 dB
40 dB _____ ± 1.5 dB

VSWR

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.
18 - 23 GHz _____ 1.40:1 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)

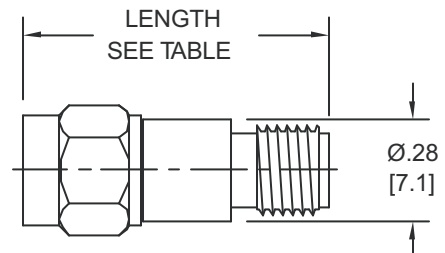
Impedance _____ 50 Ohms

Operating Temp Range _____ -65°C to +125°C

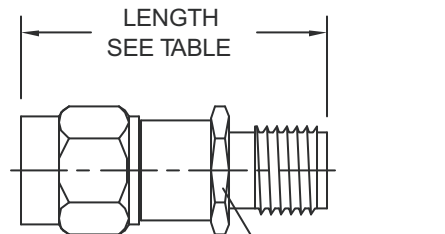
Mechanical:

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 $\pm$.03	[21.8 $\pm$ 0.8]	.99 $\pm$.03	[25.1 $\pm$ 0.8]
Male/Male	.98 $\pm$.03	[24.9 $\pm$ 0.8]	1.11 $\pm$.03	[28.2 $\pm$ 0.8]
Female/Female	.87 $\pm$.03	[22.1 $\pm$ 0.8]	1.00 $\pm$.03	[25.4 $\pm$ 0.8]

HOW TO ORDER:

Model Number: **XXAY-XXY**

Freq. Range _____
6 = DC - 6 GHz
23 = DC - 23 GHz

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

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

dB Value

Ordering Examples:

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

Model Number: **18AH-6F**
DC - 18 GHz; 6 dB; SMA - Fem/Fem; Style AH

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

Model Number: **23A-30**
DC - 23 GHz; 30 dB; SMA - Male/Fem; Style A

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*Other dB values, units that operate over a more specific frequency band and/or offer very low return loss (VSWR); gold plated units and/or connectors optimized for RF leakage also available.

23A-ATT: REV K (M)

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