

A/AH ATTENUATORS

SMA, up to 23 GHz, 2 Watts

SPECIFICATIONS:

Models: A, AH

RoHS
Compliant

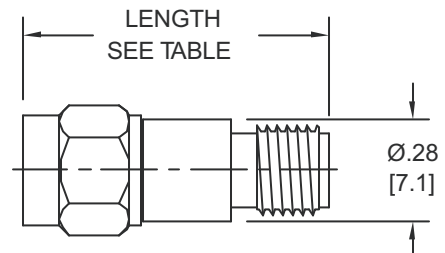
AEROFLEX
A passion for performance.

Electrical:

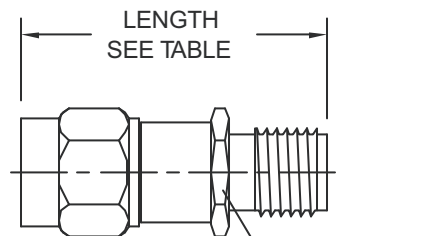
Frequency Range	DC - 23.0 GHz	
Standard Freq. Values	2.5, 6, 18 & 23 GHz	
Standard dB Values*	0-10, 12, 15, 20, & 30 dB In 1 dB Increments	
Attenuation Accuracy	DC - 18 GHz	18 - 23 GHz
0 - 6 dB	±0.3 dB	±0.4 dB
7 - 20 dB	±0.5 dB	±0.6 dB
21 - 30 dB	±0.75 dB	±0.8 dB
40 dB	± 1.5 dB	
VSWR		
DC - 4 GHz	1.15:1 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 ±.03	[21.8 ±0.8]	.99 ±.03	[25.1 ±0.8]
Male/Male	.98 ±.03	[24.9 ±0.8]	1.11 ±.03	[28.2 ±0.8]
Female/Female	.87 ±.03	[22.1 ±0.8]	1.00 ±.03	[25.4 ±0.8]

HOW TO ORDER:

Model Number: XXAY-XXY	
Freq. Range	Connector Configuration
6 = DC - 6 GHz	= Male/Female
23 = DC - 23 GHz	F = Fem/Fem
	M = Male/Male
Style	dB Value
A = A Style (No Hex)	
AH = AH Style (Hex)	

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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