

# A/AH ATTENUATORS

SMA, 23 GHz, 2 Watts

## SPECIFICATIONS:

Models: A, AH

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### Electrical:

Frequency Range \_\_\_\_\_ DC - 23.0 GHz  
Standard dB Values \_\_\_\_\_ 0-10, 12, 15, 20, 30 dB  
In 1 dB Increments

Attenuation Accuracy \_\_\_\_\_ DC - 23 GHz  
0 - 6 dB \_\_\_\_\_ ±0.4 dB  
7 - 20 dB \_\_\_\_\_ ±0.6 dB  
21 - 30 dB \_\_\_\_\_ ±0.8 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.

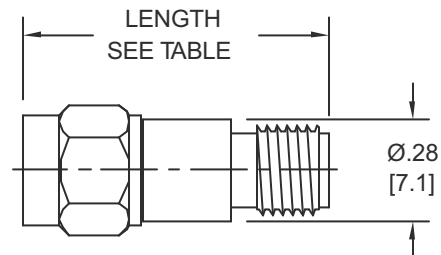
Input Power \_\_\_\_\_ 2 Watts Avg. @ 25°C  
Derated Linearly to 0.5 Watts @ +125°C

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

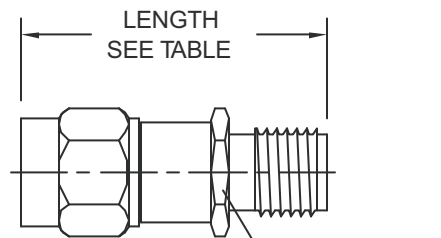
Impedance \_\_\_\_\_ 50 Ohms  
Operating Temp Range \_\_\_\_\_ -65°C to +125°C

### Mechanical:

SMA Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MIL-STD-348  
Conductors \_\_\_\_\_ Gold Plated Beryllium Copper



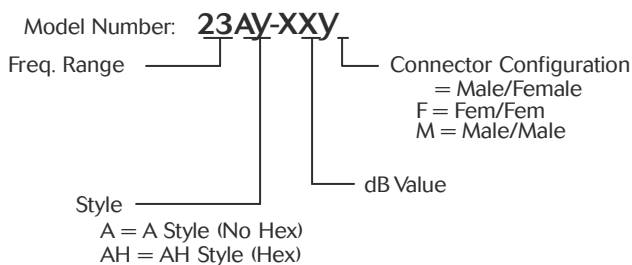
A STYLE



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:



## Ordering Examples:

Model Number: **23A-20**  
DC - 23 GHz; 20 dB; SMA - Male/Fem; Style A

Model Number: **23AH-06F**  
DC - 23 GHz; 6 dB; SMA - Fem/Fem; Style AH

Model Number: **23AH-03M**  
DC - 23 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 L (M)

**AEROFLEX**  
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