

A-AH ATTENUATORS

SMA, up to 23 GHz, 2 Watts

SPECIFICATIONS: _____ LENGTH _____ **RoHS**
Compliant
Models: A, AH

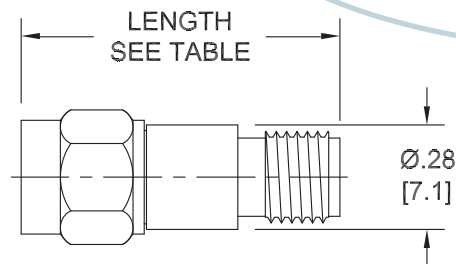


Electrical:

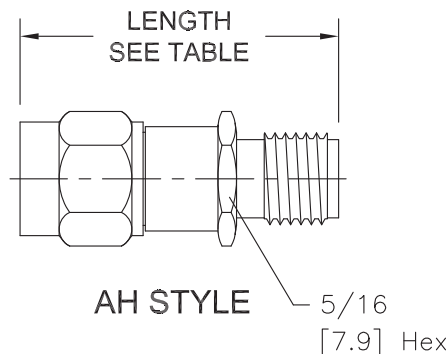
Frequency Range _____ DC – 23.0 GHz
Standard Freq. Values 2.5, 4, 6, 12.4, 18 & 23 GHz
Standard dB Values _____ 0–10, 12, 15, 20 & 30 dB
In 1 dB Increments
Attenuation Accuracy DC–18 GHz 18–23 GHz
0 – 6 dB _____ ±0.3 dB _____ ±0.4 dB
7 – 20 dB _____ ±0.5 dB _____ ±0.6 dB
21 – 30 dB _____ ±0.75 dB _____ ±0.8 dB
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.
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 _____
6 = DC–6 GHz
12 = DC–12.4 GHz
23 = DC–23 GHz
Connector Config.
F = Male/Female
F = Fem/Fem
M = Male/Male
dB Value
Style _____
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: **12AH-6F**
DC–12.4 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.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.

23A-ATT ; REV M



Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex-inmet.com • inmet-sales@aeroflex.com