

Attenuators

SMA

MODELS: 23A & 23AH

Technical Specifications

Parameter	Value	
Electrical		
Frequency Range	DC – 23 GHz	
Standard dB Values	0-10, 12, 15, 20 & 30 dB	
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 Average @ 25°C Derated linearity to 0.5 watt @ +125°C	
Peak Power	250 Watts max. (5µSec pulse, 0.05% duty cycle)	
Impedance	50 Ohms	
Operation Temp. Range	-65°C to +125°C	

Connector Configuration	0 – 12 dB		13 – 30 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	0.86 ± .03	[21.8 ± .08]	0.99 ± .03	[25.1 ± .08]
Male/Male	0.98 ± .03	[24.9 ± .08]	1.11 ± .03	[28.2 ± .08]
Female/Female	0.87 ± .03	[22.1 ± .08]	1.00 ± .03	[25.4 ± .08]

How To Order

Model #: **23AY-XXY**

Style
 A=A style (no hex)
 AH=AH style (hex)

dB Value

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

Order Example

Model number: 23A-20
 20 dB, SMA male/female, style

Model number: 23AH-6F
 6 dB, SMA female/female, style AH

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

DC - 23 GHz

Parameter	Value
<i>Mechanical</i>	
SMA Connectors Mates with MIL-STD-348	Passive Stainless Steel
Conductors	Gold Plated Beryllium Copper

