

DH ATTENUATORS

SMA, up to 23 GHz, 2 Watts

SPECIFICATIONS:

Models: DH

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 23 GHz
Standard Freq. Values _____ 2.5, 6, 18 & 23 GHz
Standard dB Values _____ 0 -10, 12, 15, 20, 30 & 40 dB
In 1 dB Increments

Attenuation Accuracy	DC-18 GHz	18-23 GHz
0 - 6 dB	±0.3 dB	±0.4 dB
7 - 19 dB	±0.5 dB	±0.6 dB
20 - 30 dB	±0.75 dB	±0.8 dB
31 - 35 dB	±1.0 dB	±1.5 dB
36 - 40 dB	±1.5 dB	±1.75 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.
(5µSec Pulse, .05% Duty Cycle)

Impedance _____ 50 Ohms

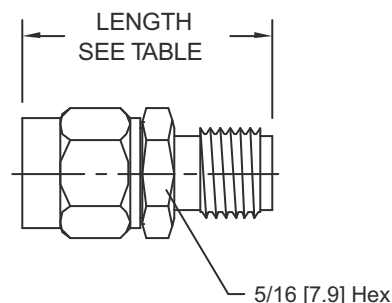
Operating Temp Range _____ -65°C to +125°C

Mechanical:

SMA Connectors _____ Passivated Stainless Steel

Mates with MIL-STD-348

Conductors _____ Gold Plated Beryllium Copper



Note: Connectors are Epoxy Sealed

Connector Configuration	LENGTH			
	0 - 20 dB		21 - 40 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	.70 ±.03	[17.8 ±0.8]	.83 ±.03	[21.1 ±0.8]
Male/Male	.76 ±.03	[19.3 ±0.8]	.89 ±.03	[22.6 ±0.8]
Female/Female	.64 ±.03	[16.3 ±0.8]	.77 ±.03	[19.6 ±0.8]

HOW TO ORDER:

Model Number: **XXDH-XXY**

Freq. Range

6 = DC - 6 GHz

2 = DC - 2.5 GHz

18 = DC - 18 GHz

23 = DC - 23 GHz

Connector Configuration

= Male/Female

F = Fem/Fem

M = Male/Male

dB Value

Ordering Examples:

Model Number: **18DH-20**

DC - 18 GHz; 20 dB; SMA - Male/Fem

Model Number: **2DH-6F**

DC - 2.5 GHz; 6 dB; SMA - Fem/Fem

Model Number: **6DH-3M**

DC - 6 GHz; 3 dB; SMA - Male/Male

Model Number: **23DH-30**

DC - 23 GHz; 30 dB; SMA - Male/Fem

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); and gold plated units are also available.

23DH-ATT: REV L

AEROFLEX
INMET

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@eroflex.com