

DH ATTENUATORS

SMA, up to 18 GHz, 2 Watts

SPECIFICATIONS:

Models: DH

RoHS
Compliant

Electrical:

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

Attenuation Accuracy:

0 – 6 dB _____ ± 0.3 dB
7 – 19 dB _____ ± 0.5 dB
20 – 30 dB _____ ± 0.75 dB
31 – 35 dB _____ ± 1.0 dB
36 – 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.

Input Power _____ 2 Watts Avg. @ 25°C
DERATED LINEARLY TO 0.5 WATTS @ +125°C

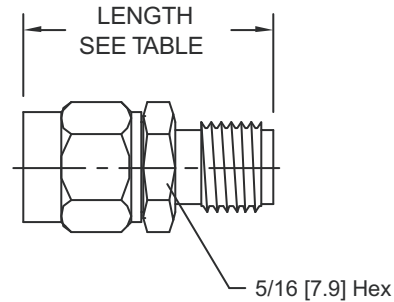
Peak Power _____ 250 Watts Max.
(5uSec Pulse, .05% Duty Cycle)

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



Note: Connectors are Epoxy Sealed

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

HOW TO ORDER:

Model Number: **XXDH-XXY**

Freq. Range _____
2 = DC – 2.5 GHz
6 = DC – 6 GHz
18 = DC – 18 GHz

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

_____ dB Value

Ordering Examples:

Model Number: **.18DH-30**
DC – 18 GHz; 30 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

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.

18 DH-ATT: REV A



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.com/inmet • inmet@aeroflex.com