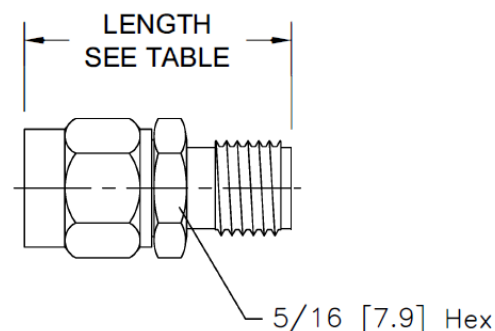


Technical Specifications

Parameter	Value
<i>Electrical</i>	
Frequency Range	DC – 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 Average @ 25°C <i>Derated linearity to 0.5 watts @ +125°C</i>
Peak Power	250 Watts max. (5µSec pulse, 0.05% duty cycle)
Impedance	50 Ohms
Operation Temp. Range	-65°C to +125°C

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

Note: Connectors are epoxy sealed



Connector Configuration	0 – 20 dB		21 – 40 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	0.70 ± .03	[17.8 ± .08]	0.83 ± .03	[21.1 ± .08]
Male/Male	0.76 ± .03	[19.3 ± .08]	0.89 ± .03	[22.6 ± .08]
Female/Female	0.64 ± .03	[16.3 ± .08]	0.77 ± .03	[19.6 ± .08]

How To Order

Model #: 18DH-XXY

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

Order Example

Model number: 18DH-30
 DC-18 GHz, 30 dB, SMA, male/female

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

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Spectrum Control reserves the right to make changes to datasheets at any time without notice.