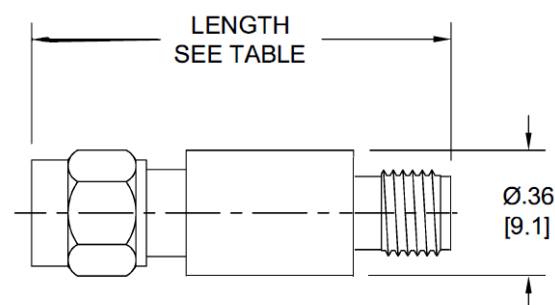


Technical Specifications

Parameter	Value
<i>Electrical</i>	
Frequency Range	DC – 18 GHz
Standard dB Values	0 – 10, 12, 15, 20, 30, 40, 50 & 60 dB In 1 dB increments
Attenuation Accuracy	0-6 dB ±0.3 dB 7-10, 12, 15, 20 dB ±0.5 dB 30 dB ±0.75 dB 40, 50, 60 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 watt @ +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



Connector Configuration	0 – 30 & 40 dB		31 – 60 dB (except 40 dB)	
	Inches	Millimeters	Inches	Millimeters
Male/Female	1.21 ± .03	[30.7 ± .08]	1.49 ± .03	[37.8 ± .08]
Male/Male	1.33 ± .03	[33.8 ± .08]	1.62 ± .03	[41.1 ± .08]
Female/Female	1.06 ± .03	[26.9 ± .08]	1.35 ± .03	[34.3 ± .08]

How To Order

Model #: 18B-XXY

dB Value

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

Order Example

 Model number: 18B-20
 DC-18 GHz, 20 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.