ATTENUATORS TYPE N

UP TO 18 GHz
10 WATTS

INMET BY SPECTRUM CONTROL

MODELS: XXN10W–XX, XXN10W–XXF & XXN10W–XXM

SPECIFICATIONS:

Electrical:

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

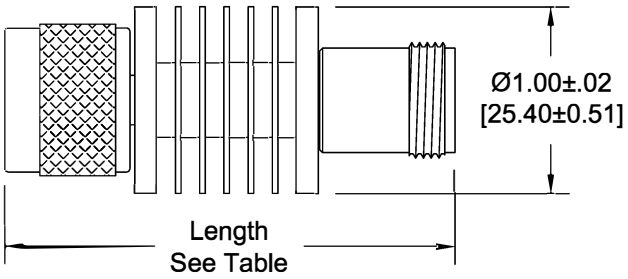
Attenuation Accuracy	DC – 12.4 GHz	12.4 – 18 GHz
0 – 6 dB	±0.3 dB	±0.5 dB
7 – 20 dB	±0.5 dB	±0.7 dB
21 – 40 dB	±0.7 dB	±1.0 dB

VSWR
DC – 6 GHz ____ 1.20:1 Max.
6 – 12.4 GHz ____ 1.30:1 Max.
12.4 – 18 GHz ____ 1.40:1 Max.
Input Power ____ 10 Watts Avg. @ 25°C
DERATED LINEARLY TO 2 WATTS @ +125°C
Peak Power ____ 500 Watts Max.
(5uSec Pulse, .05% Duty Cycle)
Impedance ____ 50 Ohms
Operating Temp Range ____ –65°C to +125°C

Mechanical:

Type N Connectors ____ Passivated Stainless Steel
Mates with MIL–STD–348
Conductors ____ Gold Plated Beryllium Copper
Housing ____ Anodized Aluminum

Connector Configuration	LENGTH			
	0 – 20 dB		30 & 40 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	2.41 ±.05	[61.2 ±1.3]	2.66 ±.05	[67.6 ±1.3]
Male/Male	2.34 ±.05	[59.4 ±1.3]	2.58 ±.05	[65.5 ±1.3]
Female/Female	2.49 ±.05	[63.2 ±1.3]	2.74 ±.05	[69.6 ±1.3]



HOW TO ORDER:

Model Number: 18N10W-XXY

Freq. Range
18 = DC – 18 GHz

Connector Config.
_ = Male/Female
F = Fem/Fem
M = Male/Male

dB Value

Ordering Examples:
Model Number: 18N10W-20
DC – 18 GHz; 20 dB; Male/Fem

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.

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