ATTENUATORS TYPE N

UP TO 18 GHz 10 WATTS

AEROFLEX INMET

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

SPECIFICATIONS:

Electrical:

Frequency Range ____ DC - 18 GHz
Standard Freq. Values ____ 2.5, 6, 12.4 & 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

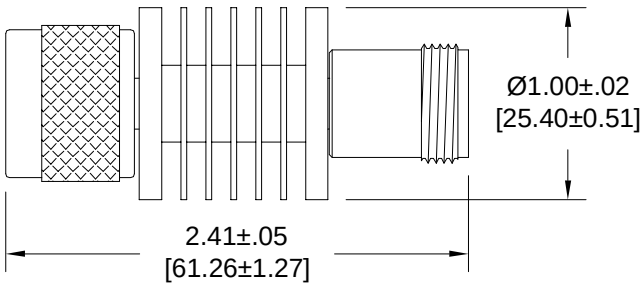
Model Number: XXN10W-XX
Male/Female Connectors
0-20 Length: 2.41 ±.05 [61.2 ±1.3]
30&40 Length: 2.66 ±.05 [67.6 ±1.3]

Model Number: XXN10W-XXF
Female/Female Connectors
0-20 Length: 2.49 ±.05 [63.2 ±1.3]
30&40 Length: 2.74 ±.05 [69.6 ±1.3]

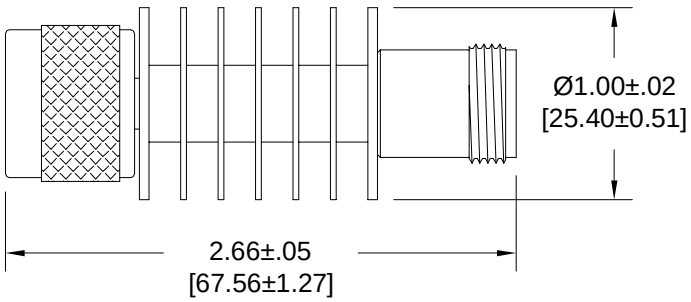
Model Number: XXN10W-XXM
Male/Male Connectors
0-20 Length: 2.34 ±.05 [59.4 ±1.3]
30&40 Length: 2.58 ±.05 [65.5 ±1.3]

Pictured

0 - 20 dB



30 & 40 dB



HOW TO ORDER:

Model Number: XXN10W-XXY

Freq. Range
2 = DC - 2.5 GHz
6 = DC - 6 GHz
12 = DC - 12.4 GHz
18 = DC - 18 GHz

dB Value

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

Ordering Examples:

Model Number: 18N10W-20
DC - 18 GHz; 20 dB; Type N - Male/Fem

Model Number: 6N10W-06F
DC - 6 GHz; 6 dB; Type N - Fem/Fem

Model Number: 12N10W-03M
DC - 12.4 GHz; 3 dB; Type N - 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.

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