

ATTENUATORS

Type N, up to 18 GHz, 20 Watts

SPECIFICATIONS:

Models: XXN20W-XX, XXN20W-XXF & XXN20W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 18.0 GHz
Standard Freq. Values _____ 2.5, 6, 12.4 & 18 GHz
Standard dB Values _____ 0, 3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy DC - 6 GHz 6 - 12.4 GHz 12.4 - 18 GHz
3 & 6 dB _____ ± 0.30 dB _____ ± 0.50 dB _____ ± 0.75 dB
10 & 20 dB _____ ± 0.50 dB _____ ± 0.75 dB _____ ± 1.00 dB
30 & 40 dB _____ ± 0.75 dB _____ ± 1.00 dB _____ ± 1.50 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 _____ 20 Watts Avg. @ 25°C
Derated Linearly to 4 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: **XXN20W-XX**

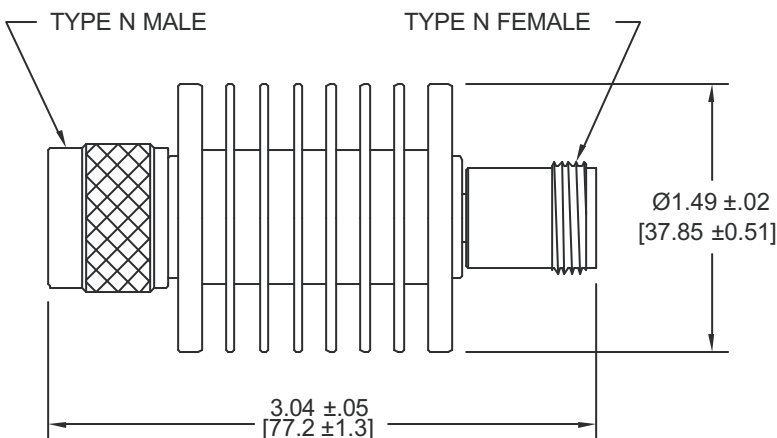
Male/Female Connectors
Length: 3.04 ± 0.05 [77.2 $\pm$ 1.3]
Pictured

Model Number: **XXN20W-XXF**

Female/Female Connectors
Length: 3.12 ± 0.05 [79.3 $\pm$ 1.3]

Model Number: **XXN20W-XXM**

Male/Male Connectors
Length: 2.95 ± 0.05 [74.9 $\pm$ 1.3]



HOW TO ORDER:

Model Number: **XXN20W-XXY**

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

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

Ordering Examples:

Model Number: **18N20W-20**
DC - 18 GHz; 20 dB; Type N - Male/Fem

Model Number: **6N20W-02F**
DC - 6 GHz; 2 dB; Type N - Fem/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.

XXN20W-XX: REV D

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