

ATTENUATORS

TNC, up to 18 GHz, 20 Watts

SPECIFICATIONS:

Models: XXT20W-XX, XXT20W-XXF, XXT20W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 18.0 GHz
Standard Freq. Values _____ 6, & 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:

TNC Connectors _____ Passivated Stainless Steel

Mates with MIL-STD-348

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum

Model Number: **XXT20W-XX**

Male/Female Connectors

Length: $3.20 \pm .05$ [81.3 ± 1.3]

Pictured

Model Number: **XXT20W-XXF**

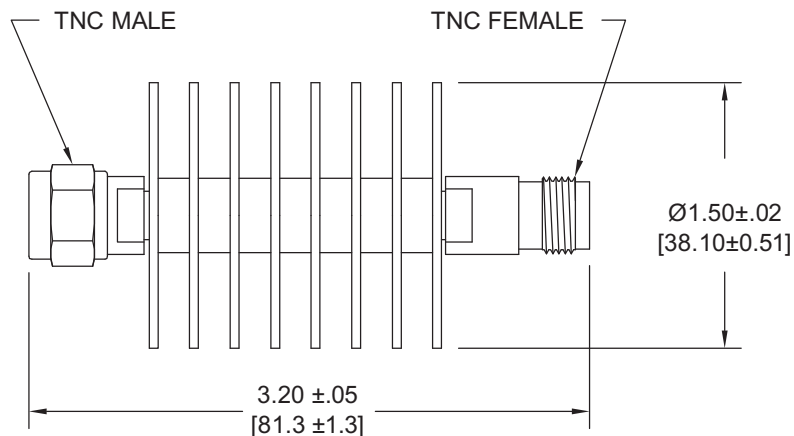
Female/Female Connectors

Length: $3.29 \pm .05$ [83.6 ± 1.3]

Model Number: **XXT20W-XXM**

Male/Male Connectors

Length: $3.11 \pm .05$ [79.0 ± 1.3]



HOW TO ORDER:

Model Number: **XXT20W-XXY**

Freq. Range

6 = DC - 6 GHz
18 = DC - 18 GHz

Connector Configuration

= Male/Female
F = Fem/Fem
M = Male/Male

dB Value

Ordering Examples:

Model Number: **18T20W-20**

DC - 18 GHz; 20 dB; TNC - Male/Fem

Model Number: **6T20W-02F**

DC - 6 GHz; 2 dB; TNC - 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.

XXT20W-XX: REV E (M)

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