

ATTENUATORS TNC

UP TO 18 GHz
20 WATTS

api 
technologies corp.
> INMET

MODELS: XXT20W-XX, XXT20W-XXF & XXT20W-XXM

SPECIFICATIONS:

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:

TNC Connectors _____ Passivated Stainless Steel
Mates with MIL-STD-348

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum

Model Number: **XXT20W-XX**

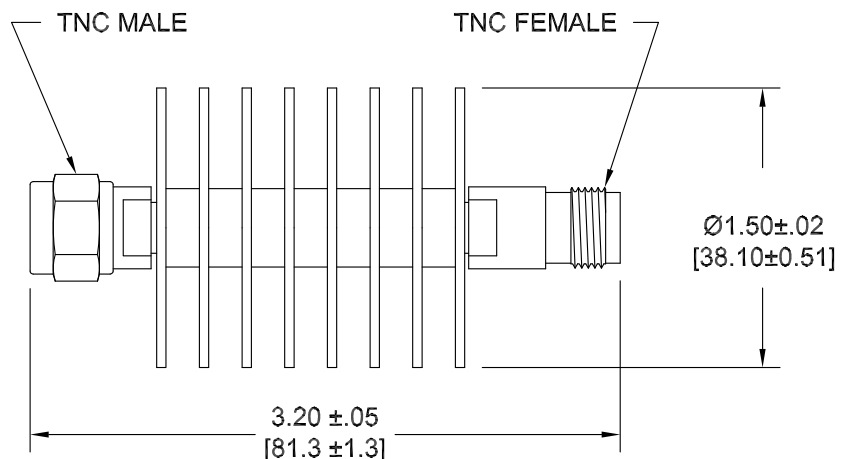
Male/Female Connectors
Length: 3.20 ± 0.05 [81.3 ± 1.3]
Pictured

Model Number: **XXT20W-XXF**

Female/Female Connectors
Length: 3.29 ± 0.05 [83.6 ± 1.3]

Model Number: **XXT20W-XXM**

Male/Male Connectors
Length: 3.11 ± 0.05 [79.0 ± 1.3]



HOW TO ORDER:

Model Number: **XXT20W-XXY**

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

dB Value _____

Connector Config. _____
F = Male/Female
M = Male/Male

Ordering Examples:

Model Number: **18T20W-20**
DC – 18 GHz; 20 dB; Male/Fem

Model Number: **6T20W-02F**
DC – 6 GHz; 2 dB; 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

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