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

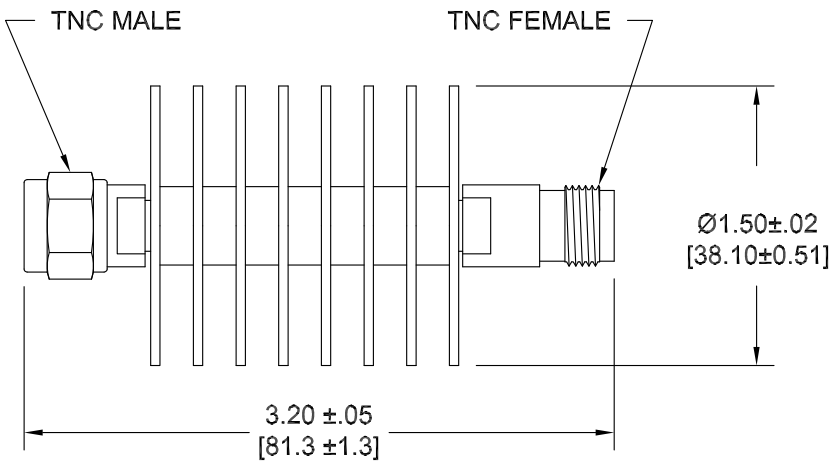
Mechanical:

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

Model Number: **XXT20W-XX**
Male/Female Connectors
Length: 3.20 ±.05 [81.3 ±1.3]
Pictured

Model Number: **XXT20W-XXF**
Female/Female Connectors
Length: 3.29 ±.05 [83.6 ±1.3]

Model Number: **XXT20W-XXM**
Male/Male Connectors
Length: 3.11 ±.05 [79.0 ±1.3]



HOW TO ORDER:

Model Number: XXT20W-XXY
(XX = dB Value; Y = Connector Config.)

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

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

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