

# 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 \_\_\_\_\_  $\pm 0.30$  dB \_\_\_\_\_  $\pm 0.50$  dB \_\_\_\_\_  $\pm 0.75$  dB  
10 & 20 dB \_\_\_\_\_  $\pm 0.50$  dB \_\_\_\_\_  $\pm 0.75$  dB \_\_\_\_\_  $\pm 1.00$  dB  
30 & 40 dB \_\_\_\_\_  $\pm 0.75$  dB \_\_\_\_\_  $\pm 1.00$  dB \_\_\_\_\_  $\pm 1.50$  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 MILSTD-348  
Conductors \_\_\_\_\_ Gold Plated Beryllium Copper  
Housing \_\_\_\_\_ Anodized Aluminum

Model Number: **XXT20W-XX**

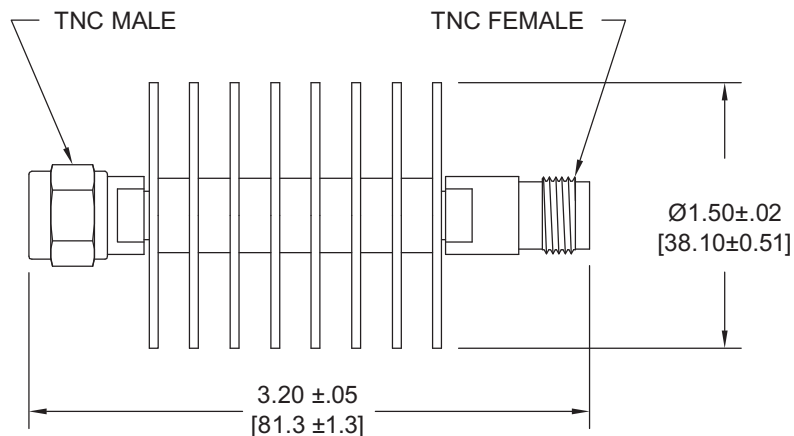
Male/Female Connectors  
Length:  $3.20 \pm .05$  [ $81.3 \pm 1.3$ ]  
Pictured

Model Number: **XXT20W-XXF**

Female/Female Connectors  
Length:  $3.29 \pm .05$  [ $83.6 \pm 1.3$ ]

Model Number: **XXT20W-XXM**

Male/Male Connectors  
Length:  $3.11 \pm .05$  [ $79.0 \pm 1.3$ ]



## 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)

**AEROFLEX**  
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