

# ATTENUATORS TNC

UP TO 18 GHz  
10 WATTS



MODELS: XXT10W-XX, XXT10W-XXF & XXT10W-XXM

## SPECIFICATIONS:

### Electrical:

Frequency Range \_\_\_\_\_ DC - 18 GHz  
 Standard Freq. Values \_\_\_\_\_ 2.5, 6, 12.4 & 18 GHz  
 Standard dB Values \_\_\_\_\_ 0 - 10, 12, 20, 30 & 40 dB  
In 1dB Increments

Attenuation Accuracy DC - 12.4 GHz 12.4 - 18 GHz  
 0 - 6 dB \_\_\_\_\_ ±0.3 dB \_\_\_\_\_ ±0.5 dB  
 7 - 20 dB \_\_\_\_\_ ±0.5 dB \_\_\_\_\_ ±0.7 dB  
 21 - 40 dB \_\_\_\_\_ ±0.7 dB \_\_\_\_\_ ±1.0 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 \_\_\_\_\_ 10 Watts Avg. @ 25°C  
DERATED LINEARLY TO 2 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:

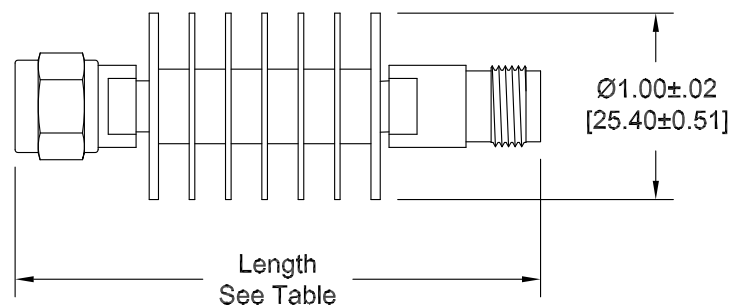
\*\*TNC Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MIL-STD-348

Conductors \_\_\_\_\_ Gold Plated Beryllium Copper

Housing \_\_\_\_\_ Anodized Aluminum

\*\*TNC Connectors are Mode-Free up to 18 GHz

Connector Configuration	LENGTH			
	0 - 20 dB		30 & 40 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	2.58 ±.05	[65.5 ±1.3]	2.82 ±.05	[71.6 ±1.3]
Male/Male	2.48 ±.05	[63 ±1.3]	2.72 ±.05	[69.1 ±1.3]
Female/Female	2.67 ±.05	[67.8 ±1.3]	2.92 ±.05	[74.2 ±1.3]



## HOW TO ORDER:

Model Number: **XXT10W-XXY**

dB Value \_\_\_\_\_

Freq. Range \_\_\_\_\_

Connector Config. \_\_\_\_\_

2 = DC - 2.5 GHz      = Male/Female  
 6 = DC - 6 GHz      F = Fem/Fem  
 12 = DC - 12.4 GHz      M = Male/Male  
 18 = DC - 18 GHz

## Ordering Examples:

Model Number: **18T10W-20**  
 DC - 18 GHz; 20 dB; Male/Fem

Model Number: **6T10W-06F**  
 DC - 6 GHz; 6 dB; Fem/Fem

Model Number: **12T10W-03M**  
 DC - 12.4 GHz; 3 dB; Male/Male

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.

XXX10W-ATT; REV N