

ATTENUATORS

TNC

up to 18 GHz
5 Watts

MCE
INMET

MODELS: 18T5W-XX, 18T5W-XXF & 18T5W-XXM

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 18 GHz
Standard Freq. Values _____ 4, 6, 12.4 & 18 GHz
Standard dB Values* _____ 0 - 10, 12, 15, 20, 30, 40, 50 & 60 dB
In 1dB Increments

Attenuation Accuracy _____
0 - 6 dB _____ ± 0.3 dB
7 - 20 dB _____ ± 0.5 dB
21 - 30 dB _____ ± 0.75 dB
31 - 60 dB _____ ± 1.5 dB

VSWR _____
DC - 4 GHz _____ 1.15:1 Max.
4 - 8 GHz _____ 1.20:1 Max.
8 - 12.4 GHz _____ 1.25:1 Max.
12.4 - 18 GHz _____ 1.35:1 Max.

Input Power _____ 5 Watts Avg. @ 25°C
DERATED LINEARLY TO 1 WATT @ +125°C

Peak Power _____ 250 Watts Max.
(5uSec Pulse, .05% Duty Cycle)

Impedance _____ 50 Ohms

Operating Temp Range _____ -65°C to +125°C

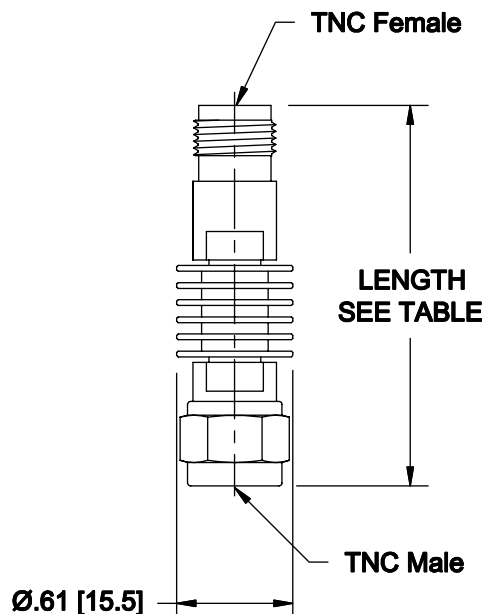
Mechanical:

**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 - 30 & 40 dB		31 - 60 dB (Except 40dB)	
	Inches	Millimeters	Inches	Millimeters
Male/Female	2.07 $\pm$.05	[52.6 $\pm$ 1.3]	2.35 $\pm$.05	[59.7 $\pm$ 1.3]
Male/Male	1.97 $\pm$.05	[50.0 $\pm$ 1.3]	2.26 $\pm$.05	[57.4 $\pm$ 1.3]
Female/Female	2.16 $\pm$.05	[54.9 $\pm$ 1.3]	2.45 $\pm$.05	[62.2 $\pm$ 1.3]

HOW TO ORDER:

Model Number: **XXT5W-XXY**

Freq. Range

4 = DC - 4 GHz

6 = DC - 6 GHz

12 = DC - 12.4 GHz

18 = DC - 18 GHz

Connector Configuration

= Male/Female

F = Fem/Fem

M = Male/Male

dB Value

Ordering Examples:

Model Number: **4T5W-20**

DC - 4 GHz, 20 dB; TNC - Male/Fem

Model Number: **18T5W-06F**

DC - 18 GHz, 6 dB; TNC - Fem/Fem

Model Number: **12T5W-03M**

DC - 12.4 GHz, 3 dB; TNC - Male/Male

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*Other dB values are available. Units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are also available.

XXT5W-ATT; REV J