

# ATTENUATORS TNC

UP TO **18 GHz**  
**50 WATTS**



MODELS: XXT50W-XX, XXT50W-XXF, XXT50W-XXM, XXT50W-XXFM

## SPECIFICATIONS:

### Electrical:

Frequency Range	DC - 18.0 GHz		
Standard Freq. Values	2.5, 6, 12.4 & 18 GHz		
Standard dB Values	3, 6, 10, 20, 30 & 40 dB		
Attenuation Accuracy	DC - 6 GHz	6 - 12.4 GHz	12.4 - 18 GHz
3, & 6 dB	±0.75 dB	±0.75 dB	±0.75 dB
10 & 20 dB	±0.75 dB	±0.75 dB	±1.00 dB
30 dB	±0.75 dB	±1.00 dB	±1.25 dB
40 dB	±1.00 dB	±1.25 dB	±1.50 dB

### VSWR

DC - 6 GHz	1.25:1 Max.
6 - 12.4 GHz	1.35:1 Max.
12.4 - 18 GHz	1.45:1 Max.

Input Power 50 Watts Avg. @ 25°C  
DERATED LINEARLY TO 10 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

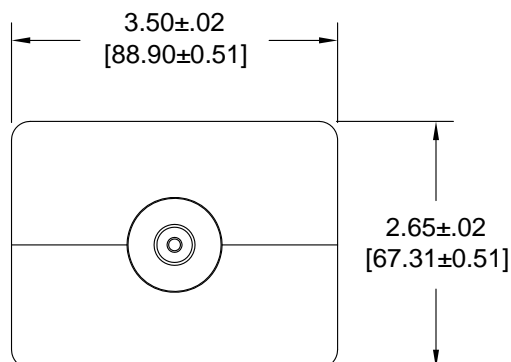
Mates with MIL-STD-348

Conductors Gold Plated Beryllium Copper

Housing Anodized Aluminum

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

Note: Units are Unidirectional, Therefore Input Connector MUST be Specified & will be Indicated on Unit



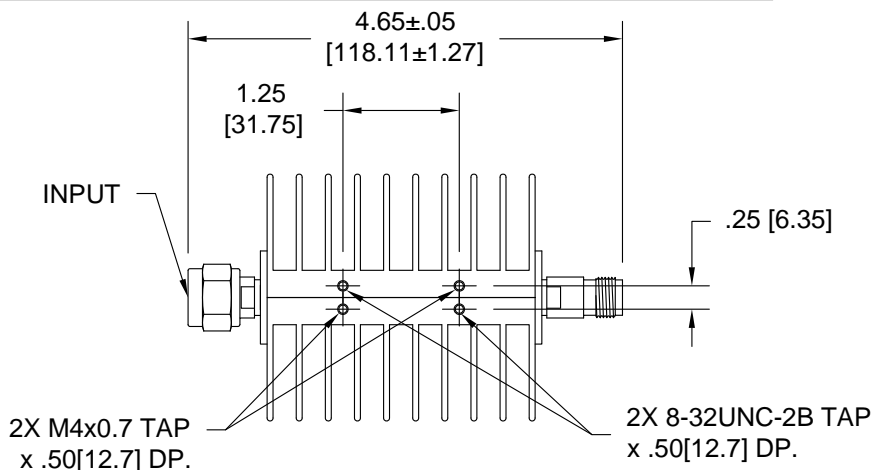
END VIEW  
TYPICAL

Units must be Mounted in such a way as to Allow for Free Air Flow Around fins to Insure Performance

Model Number: **XXT50W-XX**  
Pictured

Model Number: **XXT50W-XXF**  
Female/Female Connectors  
Length: 4.75 ±.05 [120.7 ±1.3]

Model Number: **XXT50W-XXM**  
Male/Male Connectors  
Length: 4.56 ±.05 [115.8 ±1.3]



## HOW TO ORDER:

Model Number: **XXT50W-XXY**

Freq. Range

2 = DC - 2.5 GHz

6 = DC - 6 GHz

12 = DC - 12.4 GHz

18 = DC - 18 GHz

Connector Configuration

= Male/Female (Male Input)

F = Fem/Fem

M = Male/Male

FM = Female/Male (Female Input)

dB Value

### Ordering Examples:

Model Number: **18T50W-20**  
DC - 18 GHz; 20 dB; TNC - Male/Fem (Male Input)

Model Number: **6T50W-03F**  
DC - 6 GHz; 3 dB; TNC - Fem/Fem

Model Number: **6T50W-10FM**  
DC - 6 GHz; 10 dB; TNC - Fem/Male (Female Input)

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.

XXT50W-XX; REV F

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