

# ATTENUATORS TNC

UP TO **4 GHz**  
**150 WATTS**

**api**   
technologies corp.  
> INMET

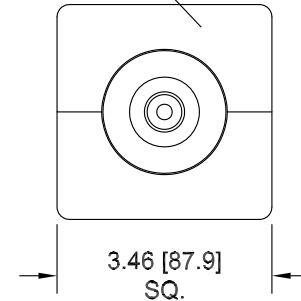
MODELS: XT150W-XX, XT150W-XXF & XT150W-XXM

## SPECIFICATIONS:

### Electrical:

Frequency Range \_\_\_\_\_ DC – 4.0 GHz  
Standard Freq. Values \_\_\_\_\_ 2.5 & 4 GHz  
Standard dB Values \_\_\_\_\_ 3, 6, 10, 20, 30 & 40 dB  
Attenuation Accuracy DC – 1.5 GHz 1.5 – 2.5 GHz 2.5 – 4 GHz  
3 & 6 dB \_\_\_\_\_  $\pm 0.50$  dB \_\_\_\_\_  $\pm 1.0$  dB \_\_\_\_\_  $\pm 1.5$  dB  
10 & 20 dB \_\_\_\_\_  $\pm 0.50$  dB \_\_\_\_\_  $\pm 0.75$  dB \_\_\_\_\_  $\pm 1.0$  dB  
30 & 40 dB \_\_\_\_\_  $\pm 0.75$  dB \_\_\_\_\_  $\pm 1.0$  dB \_\_\_\_\_  $\pm 1.5$  dB  
Input VSWR (Max) \_\_\_\_\_ 1.15:1 \_\_\_\_\_ 1.25:1 \_\_\_\_\_ 1.35:1  
Input Power \_\_\_\_\_ 150 Watts Avg. @ +25°C  
DERATED LINEARLY TO 30 WATTS @ +125°C  
Peak Power \_\_\_\_\_ 2 kW Max.  
(5uSec Pulse, .05% Duty Cycle)  
Impedance \_\_\_\_\_ 50 Ohms  
Operating Temp Range \_\_\_\_\_ -54°C to +125°C

Custom Mtg. hole Config.  
may be Added to this  
Surface



**END VIEW  
TYPICAL**

### 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.

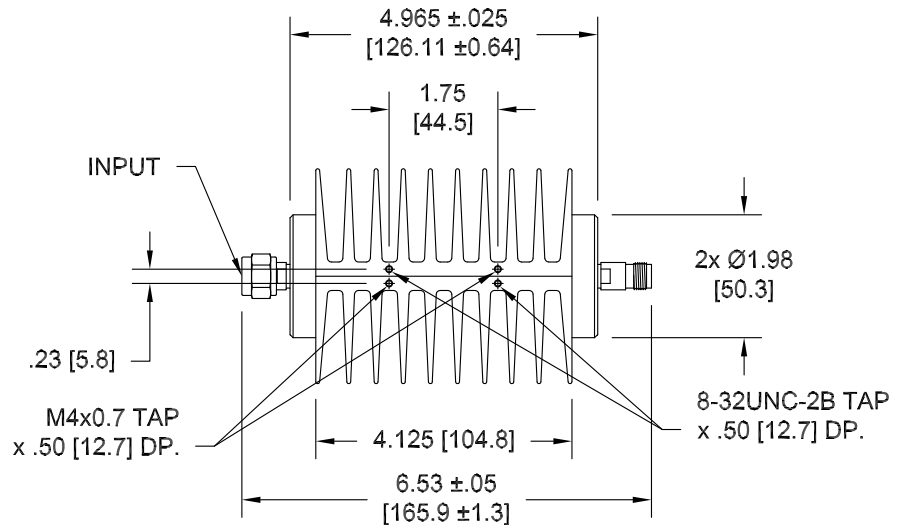
Units must be Mounted in such a way as to Allow for Free Air Flow Around fins as to Assure Performance.

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

Model Number: **XT150W-XX**  
Male/Female Connectors  
Length: 6.53  $\pm 0.05$  [165.9  $\pm 1.3$ ]  
Pictured

Model Number: **XT150W-XXF**  
Female/Female Connectors  
Length: 6.62  $\pm 0.05$  [168.1  $\pm 1.3$ ]

Model Number: **XT150W-XXM**  
Male/Male Connectors  
Length: 6.43  $\pm 0.05$  [163.3  $\pm 1.3$ ]



## HOW TO ORDER:

Model Number: **XT150W-XXY**

Freq. Range  
2 = DC – 2.5 GHz  
4 = DC – 4 GHz

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

dB Value

### Ordering Examples:

Model Number: **4T150W-10**  
DC – 4 GHz, 10 dB; TNC – Male/Fem

Model Number: **2T150W-3F**  
DC – 2.5 GHz, 3 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.