

ATTENUATORS TNC

UP TO **18 GHz**
50 WATTS



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

SPECIFICATIONS:

Electrical:

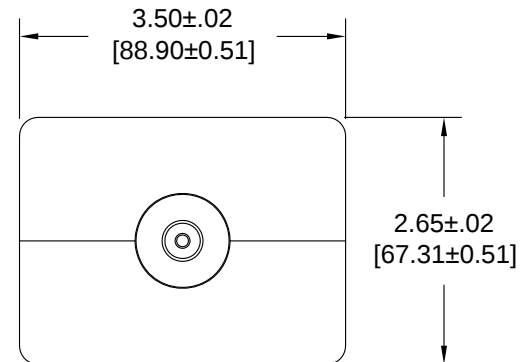
Frequency Range	DC - 18.0 GHz		
Standard Freq. Values	2.5, 6, 12.4 & 18 GHz		
Standard dB Values	3, 6, 10, 20, 30 & 40 dB		
Attenuation Accuracy	DC - 6 GHz	6 - 12.4 GHz	12.4 - 18 GHz
3, & 6 dB	±0.75 dB	±0.75 dB	±0.75 dB
10 & 20 dB	±0.75 dB	±0.75 dB	±1.00 dB
30 dB	±0.75 dB	±1.00 dB	±1.25 dB
40 dB	±1.00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



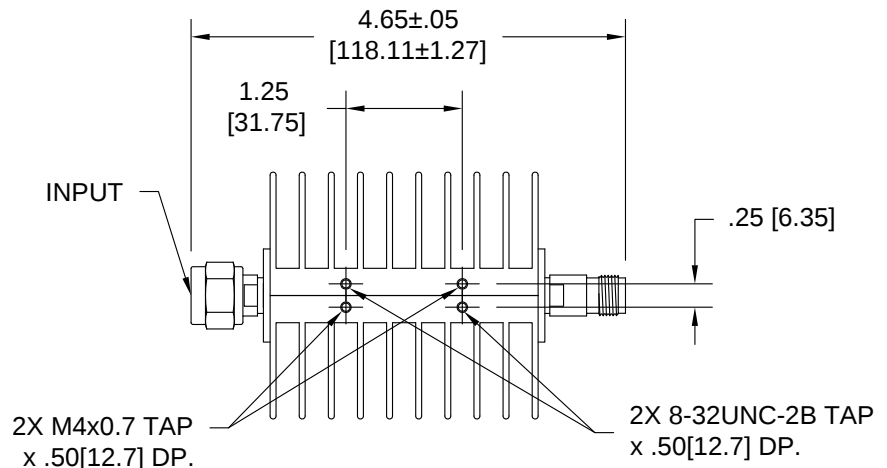
END VIEW
TYPICAL

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.