

ATTENUATORS

TNC

up to 4 GHz
100 Watts



MODELS: XT100WR-XX, XT100WR-XXF, XT100WR-XXM

SPECIFICATIONS:

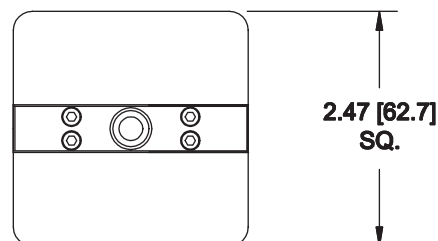
Electrical:

Frequency Range	DC - 4.0 GHz	
Standard Freq. Values	1.5, 2.5 & 4 GHz	
Standard dB Values*	3, 6, 10, 20, 30 & 40 dB	
Attenuation Accuracy	DC - 1.5 GHz	1.5 - 4 GHz
3 & 6 dB	±0.30 dB	±0.50 dB
10 & 20 dB	±0.50 dB	±0.75 dB
30 & 40 dB	±1.00 dB	±1.50 dB
VSWR (Max.)	1.20:1	1.35:1
Input Power	100 Watts Avg.	
	Derated Linearly to 20 Watts @ +125°C.	
Peak Power	5 kW Max.	
	(5uSec Pulse, .05% Duty Cycle)	
Impedance	50 Ohms	
Operating Temp Range	-54°C to +125°C	

Mechanical:

TNC Connectors **	Passivated Stainless Steel
Mates with MIL-STD-348	
Conductors	Gold Plated Beryllium Copper or Brass
Housing	Anodized Aluminum

REDUCED SIZE



END VIEW
TYPICAL

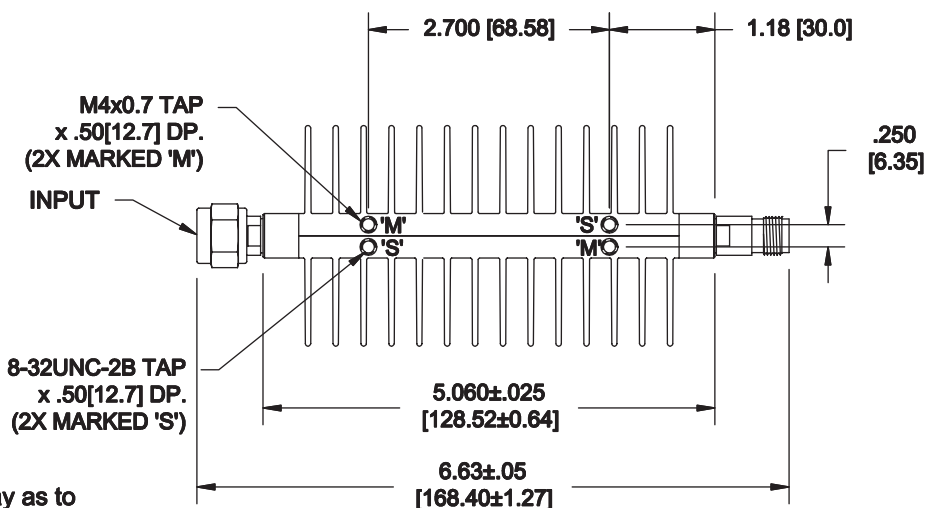
**TNC Connectors are 18 GHz Mode Free

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

Model Number: **XT100WR-XX**
Male/Female Connectors
Length: 6.63 ±.05 [168.40 ±1.27]
Pictured

Model Number: **XT100WR-XXF**
Female/Female Connectors
Length: 6.72 ±.05 [170.69 ±1.27]

Model Number: **XT100WR-XXM**
Male/Male Connectors
Length: 6.54 ±.05 [166.12 ±1.27]



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

HOW TO ORDER:

Model Number: **XT100WR-XXY**

Freq. Range
1 = DC - 1.5 GHz
2 = DC - 2.5 GHz
4 = DC - 4 GHz

Connector Configuration
F = Female
M = Male
dB Value

Ordering Examples:

Model Number: **1T100WR-6**
DC - 1.5 GHz, 6dB, TNC Male/Fem

Model Number: **4T100WR-30M**
DC - 4 GHz, 30dB, TNC Male/Male

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
*Other dB values are also available. Units that operate over a more specific frequency band
and/or offer very low return loss (VSWR) are also available.

XT100WR-ATT; REV -