

ATTENUATORS

TNC, up to 4 GHz, 300 Watts

SPECIFICATIONS:

Models: XT300W-XX, XT300W-XXF, XT300W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

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 - 1.5GHz 1.5 - 2.5GHz 2.5 - 4GHz
3 & 6 dB _____ ± 0.50 dB _____ ± 0.50 dB _____ ± 0.75 dB
10, 20, 30 & 40 dB _____ ± 0.75 dB _____ ± 1.0 dB _____ ± 1.5 dB

Input VSWR (Max.)

3, 6, 10 & 20 dB _____ 1.15:1 _____ 1.25:1 _____ 1.35:1
30 & 40 dB _____ 1.15:1 _____ 1.25:1 _____ 1.50:1

Input Power _____ 300 Watts Avg. @ +25°C

Derated Linearly to 60 Watts @ +125°C

Peak Power _____ 2 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

Housing _____ Anodized Aluminum

** TNC Connectors are 18 GHz Mode Free.

Note: Units are unidirectional. Units must be positioned in such a way as to allow free air flow around fins to assure performance.

Model Number: **XT300W-XX**

Male/Female Connectors

Length: 8.52 ± 10 [216.41 ± 2.54]

Pictured

Model Number: **XT300W-XXF**

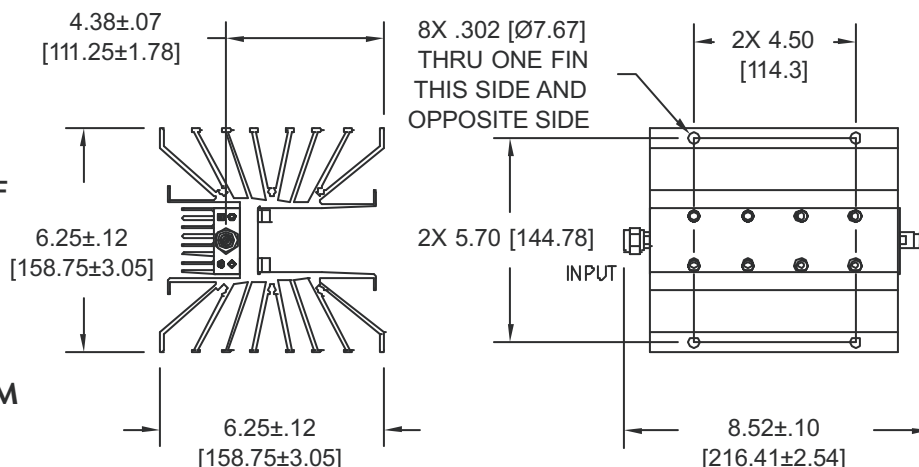
Female/Female Connectors

Length: 8.62 ± 10 [218.95 ± 2.54]

Model Number: **XT300W-XXM**

Male/Male Connectors

Length: 8.42 ± 10 [213.87 ± 2.54]



HOW TO ORDER:

Model Number: **XT300W-XXY**

Freq. Range _____
2 = DC - 2.5 GHz
4 = DC - 4 GHz

Connector Configuration
= Male/Female
F = Fem/Fem
M = Male/Male

dB Value

Ordering Examples:

Model Number: **4T300W-40F**
DC - 4 GHz, 40 dB; TNC - Fem/Fem

Model Number: **2T300W-30M**
DC - 2.5 GHz, 30 dB; TNC - Male/Male

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 and/or use.

XT300W-ATT: REV G

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