

# ATTENUATORS

SMA, up to 4 GHz, 300 Watts

## SPECIFICATIONS:

Models: XB300W-XX, XB300W-XXF, XB300W-XXM

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### Electrical:

Frequency Range \_\_\_\_\_ DC - 4 GHz  
Standard Freq. Values \_\_\_\_\_ 2.5 & 4 GHz  
Standard dB Values\* \_\_\_\_\_ 3, 6, 10, 20, 30 & 40 dB  
Attenuation Accuracy DC-1.5 GHz 1.5-2.5GHz 2.5-4GHz  
3 & 6 dB \_\_\_\_\_  $\pm 0.50$  dB \_\_\_\_\_  $\pm 0.50$  dB \_\_\_\_\_  $\pm 0.75$  dB  
10, 20, 30, & 40 dB \_\_\_\_\_  $\pm 0.75$  dB \_\_\_\_\_  $\pm 1.0$  dB \_\_\_\_\_  $\pm 1.5$  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:

SMA Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MIL-STD-348

Conductors \_\_\_\_\_ Gold Plated Beryllium Copper

Housing \_\_\_\_\_ Anodized Aluminum

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

Connectors cannot be used to support the units weight.

Model Number: **XB300W-XX**

Male/Female Connectors

Length: 765  $\pm 10$  [194.31  $\pm 2.54$ ]

Pictured

Model Number: **XB300W-XXF**

Female/Female Connectors

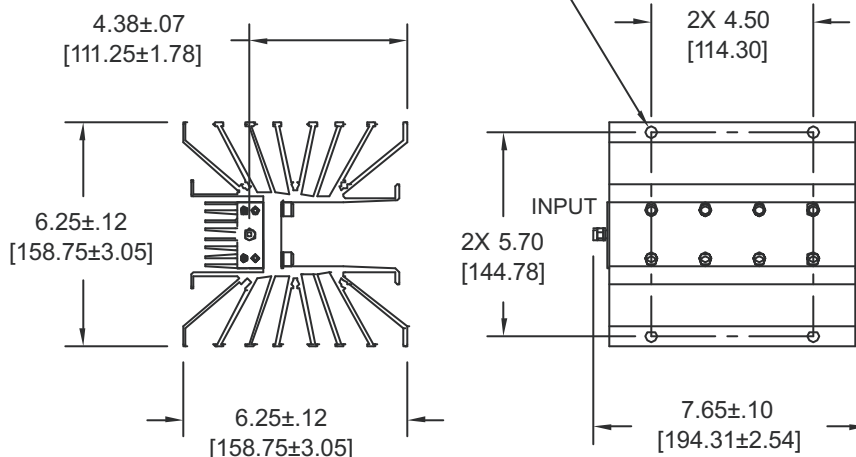
Length: 752  $\pm 10$  [191.01  $\pm 2.54$ ]

Model Number: **XB300W-XXM**

Male/Male Connectors

Length: 778  $\pm 10$  [197.61  $\pm 2.54$ ]

8X .302 [Ø7.67] THRU ONE FIN  
THIS SIDE AND OPPOSITE SIDE



## HOW TO ORDER:

Model Number: **XB300W-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: **2B300W-6**

DC - 2.5 GHz, 6 dB; SMA - Male/Fem

Model Number: **4B300W-40F**

DC - 4 GHz, 40 dB; SMA - 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 and/or use.

XB300W-ATT: REV C

**AEROFLEX**  
INMET

Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.  
888-244-6638 or 734-426-5553 • FAX: 734-426-5557  
www.aeroflex-inmet.com • inmet-sales@eroflex.com