

ATTENUATORS

SMA, up to 18 GHz, 25 Watts

SPECIFICATIONS:

Models: XXB25W-XX, XXB25W-XXF & XXB25W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 18.0 GHz
Standard Freq. Values _____ 6, 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 _____ ± 0.30 dB ± 0.50 dB ± 0.75 dB
7 - 20 dB _____ ± 0.50 dB ± 0.75 dB ± 1.00 dB
21 - 30 dB _____ ± 0.75 dB ± 1.00 dB ± 1.25 dB
31 - 40 dB _____ ± 1.00 dB ± 1.25 dB ± 1.50 dB

VSWR

DC - 6 GHz _____ 1.20:1 Max.
6 - 12.4 GHz _____ 1.30:1 Max.
12.4 - 18 GHz _____ 1.40:1 Max.

Input Power _____ 25 Watts Avg. @ 25°C
Derated Linearly to 5 Watts @ +125°C

Peak Power _____ 500 Watts Max.
(5uSec Pulse, .05% Duty Cycle)

Impedance _____ 50 Ohms

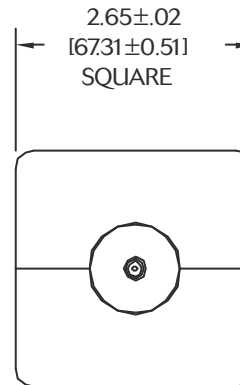
Operating Temp Range _____ -65°C to +125°C

Mechanical:

SMA Connectors _____ Passivated Stainless Steel
Mates with MILSTD-348

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum



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: **XXB25W-XX**

Male/Female Connectors

Length: 3.79 $\pm$.05 [96.3 $\pm$ 1.3]

Pictured

Model Number: **XXB25W-XXF**

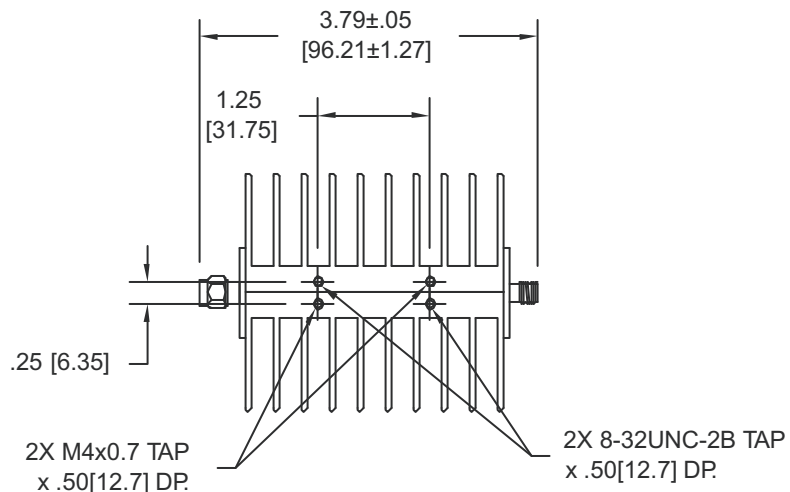
Female/Female Connectors

Length: 3.66 $\pm$.05 [93.0 $\pm$ 1.3]

Model Number: **XXB25W-XXM**

Male/Male Connectors

Length: 3.92 $\pm$.05 [99.6 $\pm$ 1.3]



HOW TO ORDER:

Model Number: **XXB25W-XXV**

Freq. Range
6 = DC - 6 GHz
18 = DC - 18 GHz

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

dB Value

Ordering Examples:

Model Number: **18B25W-20**
DC - 18 GHz; 20 dB; SMA - Male/Fem

Model Number: **6B25W-03F**
DC - 6 GHz; 3 dB; SMA - Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*Other dB values, units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are also available.

XXB25W-ATT: REV K (M)

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