

# ATTENUATORS

Type N, up to 18 GHz, 10 Watts

## SPECIFICATIONS:

Models: XXN10W-XX, XXN10W-XXF & XXN10W-XXM

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### Electrical:

Frequency Range \_\_\_\_\_ DC - 18 GHz  
Standard Freq. Values \_\_\_\_\_ 6, & 18 GHz  
Standard dB Values \_\_\_\_\_ 0 - 10, 12, 20, 30 & 40 dB  
In 1dB Increments

Attenuation Accuracy      DC - 12.4 GHz      12.4 - 18 GHz

|            |         |         |
|------------|---------|---------|
| 0 - 6 dB   | ±0.3 dB | ±0.5 dB |
| 7 - 20 dB  | ±0.5 dB | ±0.7 dB |
| 21 - 40 dB | ±0.7 dB | ±1.0 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 \_\_\_\_\_ 10 Watts Avg. @ 25°C  
DERATED LINEARLY TO 2 WATTS @ +125°C

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

Impedance \_\_\_\_\_ 50 Ohms

Operating Temp Range \_\_\_\_\_ -65°C to +125°C

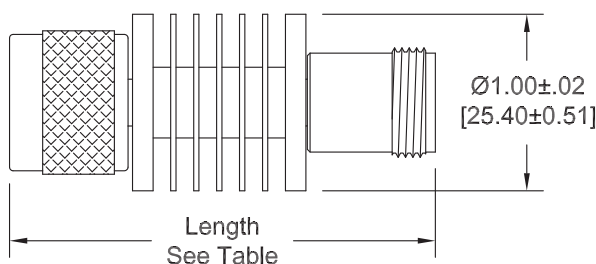
### Mechanical:

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

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

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

| Connector Configuration | LENGTH    |             |            |             |
|-------------------------|-----------|-------------|------------|-------------|
|                         | 0 - 20 dB |             | 30 & 40 dB |             |
|                         | Inches    | Millimeters | Inches     | Millimeters |
| Male/Female             | 2.41 ±.05 | [61.2 ±1.3] | 2.66 ±.05  | [67.6 ±1.3] |
| Male/Male               | 2.34 ±.05 | [59.4 ±1.3] | 2.58 ±.05  | [65.5 ±1.3] |
| Female/Female           | 2.49 ±.05 | [63.2 ±1.3] | 2.74 ±.05  | [69.6 ±1.3] |



## HOW TO ORDER:

Model Number: **XXN10W-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  
F = Fem/Fem  
M = Male/Male

dB Value

### Ordering Examples:

Model Number: **18N10W-20**  
DC - 18 GHz; 20 dB; Type N - Male/Fem

Model Number: **6N10W-06F**  
DC - 6 GHz; 6 dB; Type N - Fem/Fem

Model Number: **12N10W-03M**  
DC - 12.4 GHz; 3 dB; Type N - 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 or use.

XXN10W-ATT: REV N (M)

**AEROFLEX**  
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