ATTENUATORS
Type N, up to 18 GHz, 2 Watts

SPECIFICATIONS:
Models: N

<table>
<thead>
<tr>
<th>Base Model Number</th>
<th>Connector Configuration</th>
<th>DIA.</th>
<th>0 - 30 &amp; 40 dB</th>
<th>31-39, 50 &amp; 60 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>XNN-XX</td>
<td>Male/Female</td>
<td>0.62</td>
<td>1.76 ± 0.3</td>
<td>2.04 ± 0.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[15.8]</td>
<td>[44.7 ± 0.8]</td>
<td>[51.8 ± 0.8]</td>
</tr>
<tr>
<td>XNN-XXM</td>
<td>Male/Male</td>
<td>0.56</td>
<td>1.82 ± 0.3</td>
<td>2.11 ± 0.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[14.2]</td>
<td>[46.2 ± 0.8]</td>
<td>[53.6 ± 0.8]</td>
</tr>
<tr>
<td>XNN-XXF</td>
<td>Female/Female</td>
<td>0.56</td>
<td>1.99 ± 0.3</td>
<td>2.28 ± 0.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[14.2]</td>
<td>[50.5 ± 0.8]</td>
<td>[57.9 ± 0.8]</td>
</tr>
</tbody>
</table>

HOW TO ORDER:

Model Number: XNN-XY
Freq. Range: 2 = DC - 2.5 GHz, 6 = DC - 6 GHz, 12 = DC - 12.4 GHz, 18 = DC - 18 GHz
DB Value
Connector Configuration: M = Male/Male, F = Female/Female

Ordering Examples:
Model Number: 18N-20
DC - 18 GHz; 20 dB, Type N - Male/Fem
Model Number: 12N-6F
DC - 12.4 GHz; 6 dB, Type N - Fem/Fem
Model Number: 6N-3M
DC - 6 GHz; 3 dB, Type N - Male/Male
Model Number: 2N-30
DC - 2.5 GHz; 30 dB, Type N - Male/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), as well as units with nickel plated brass connectors are available.

In 1 dB Increments

Mechanical:
Type N Connectors: Passivated Stainless Steel
Gold Plated Beryllium Copper

Electrical:
Frequency Range: DC - 18 GHz
Standard Freq. Values: 2.5, 6, 12.4 & 18 GHz
Standard dB Values*: 0 - 10, 12, 15, 20, 30, 40, 50 & 60 dB
Attenuation Accuracy: ±0.3 dB
7 - 20 dB: ±0.5 dB
21 - 30 dB: ±0.75 dB
31 - 60 dB: ±1.5 dB
VSWR:
DC - 4 GHz: 1.5:1 Max
4 - 8 GHz: 1.20:1 Max
8 - 12.4 GHz: 1.25:1 Max
12.4 - 18 GHz: 1.35:1 Max

Input Power: 2 Watts Avg. @ 25°C
Derated Linearly to 0.5 Watts @ +125°C

Peak Power: 250 Watts Max.
(5μSec Pulse, 0.05% Duty Cycle)

Impedance: 50 Ohms

Operating Temp Range: -65°C to +125°C

Mechanical:
Type N Connectors: Passivated Stainless Steel
Gold Plated Beryllium Copper

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18N-ATT. REV J