EQUALIZER  
NEGATIVE SLOPE

MODELS: EQ1251-XX

SPECIFICATIONS:

Electrical:
- Frequency Range: 2 - 18 GHz
- Available Delta Slopes: 2 to 35dB
  (Delta slope is relative to loss at 18 GHz)
- Maximum Insertion Loss at 18 GHz:
  - 2 - 6dB: 1.5dB
  - 7 - 10dB: 2.0dB
  - 11 - 15dB: 2.5dB
  - 16 - 20dB: 4.0dB
  - 21 - 35dB: 6.0dB
- Linearity: Deviation from nominal delta slope
  - 2 - 10dB: ±0.75dB
  - 11 - 15dB: ±1.5dB
  - 16 - 20dB: ±3.0dB
  - 21 - 35dB: ±4.0dB
- VSWR: Input/Output: 1.80:1 Max.
- Power: Input/Output: 1 Watt @+25°C Max.
  (Derated linearly to 0.8 watts @ -10°C)

Mechanical:
- Housing: Passivated Stainless Steel
- SMA Connectors: Passivated Stainless Steel
  Made with MIL-STD-348
- Conductors: Gold Plated Beryllium Copper
- Temperature Range:
  - Operating: -54°C to +125°C
  - Non-Operating: -65°C to +125°C

Length: See Table

Units Are Bidirectional
Units Are RoHS Compliant

<table>
<thead>
<tr>
<th>Connector Configuration</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 - 17 dB</td>
</tr>
<tr>
<td>Male/Female</td>
<td>1.205 ± 0.05</td>
</tr>
<tr>
<td></td>
<td>15 Grams Max.</td>
</tr>
<tr>
<td>Male/Male</td>
<td>1.330 ± 0.05</td>
</tr>
<tr>
<td></td>
<td>16 Grams Max.</td>
</tr>
<tr>
<td>Female/Female</td>
<td>1.060 ± 0.025</td>
</tr>
<tr>
<td></td>
<td>13 Grams Max.</td>
</tr>
</tbody>
</table>

Epoxy Sealed Connectors Available
Type N and TNC Connectors Available

HOW TO ORDER:

Model Number: EQ1251Z-XX
Connector Type: 
Rating Value: 
Connector Configuration = Male/Female
F = Fem/Fem
M = Male/Male

Ordering Examples:
Model Number: EQ1251-03
3 dB; SMA - Male/Fem
Model Number: EQ1251-18F
18 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 or use.