## Product Classification

**Brand**  
CNT®

**Product Type**  
Braided cable connector

## General Specifications

**Interface**  
Mini UHF Male

**Body Style**  
Straight

## Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Frequency Band</td>
<td>0 – 6000 MHz</td>
</tr>
<tr>
<td>Average Power at Frequency</td>
<td>260.0 W @ 900 MHz</td>
</tr>
<tr>
<td>Cable Impedance</td>
<td>50 ohm</td>
</tr>
<tr>
<td>Connector Impedance</td>
<td>50 ohm</td>
</tr>
<tr>
<td>dc Test Voltage</td>
<td>1000 V</td>
</tr>
<tr>
<td>Outer Contact Resistance, maximum</td>
<td>5.00 mOhm</td>
</tr>
<tr>
<td>Inner Contact Resistance, maximum</td>
<td>5.00 mOhm</td>
</tr>
<tr>
<td>Insulation Resistance, minimum</td>
<td>5000 MOhm</td>
</tr>
<tr>
<td>Insertion Loss, typical</td>
<td>0.05 dB</td>
</tr>
</tbody>
</table>
Outline Drawing

240PMU-CR

Mechanical Specifications

Outer Contact Attachment Method: Crimp
Outer Contact Plating: Trimetal
Inner Contact Plating: Gold
Inner Contact Attachment Method: Solder
Interface Durability: 500 cycles
Connector Retention Tensile Force: 134 N | 30 lbf
Connector Retention Torque: 0.23 N-m | 0.17 ft lb
Pressurizable: No

Dimensions

Nominal Size: 0.240 in
Diameter: 12.70 mm | 0.50 in
Length: 31.47 mm | 1.24 in
Weight: 11.17 g | 0.02 lb
Width: 12.70 mm | 0.50 in

Environmental Specifications
Operating Temperature: -40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature: -65 °C to +125 °C (-85 °F to +257 °F)

Water Jetting Test Mating: Mated
Mechanical Shock Test Method: IEC 60068-2-27
Climatic Sequence Test Method: IEC 60068-1
Thermal Shock Test Method: IEC 60068-2-14
Vibration Test Method: IEC 60068-2-6
Corrosion Test Method: IEC 60068-2-11

Standard Conditions
Attenuation, Ambient Temperature: 20 °C | 68 °F
Average Power, Ambient Temperature: 40 °C | 104 °F
Average Power, Inner Conductor Temperature: 100 °C | 212 °F

Return Loss/VSWR

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–3000 MHz</td>
<td>1.17</td>
<td>22.00</td>
</tr>
</tbody>
</table>

Return Loss/VSWR

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant by Exemption</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>China RoHS SJ/T 11364-2014</td>
<td>Above Maximum Concentration Value (MCV)</td>
</tr>
</tbody>
</table>

* Insertion Loss, typical: 0.05√freq (GHz) (not applicable for elliptical waveguide)