195PJM-CR

1.0/2.3 DIN Male for CNT-195 braided cable

Product Classification

Product Type | Braided cable connector
Product Brand | CNT®

General Specifications

Body Style | Straight
Inner Contact Attachment Method | Solder
Inner Contact Plating | Gold
Interface | 1.0-2.3 DIN Male
Outer Contact Attachment Method | Crimp
Outer Contact Plating | Silver
Pressurizable | No

Dimensions

Width | 8.53 mm | 0.336 in
Length | 30.1 mm | 1.185 in
Diameter | 8.53 mm | 0.336 in
Nominal Size | 0.195 in

Outline Drawing
Electrical Specifications

**Insertion Loss, typical** 0.05 dB

**Average Power at Frequency** 150.0 W @ 900 MHz

**Cable Impedance** 50 ohm

**Connector Impedance** 50 ohm

**dc Test Voltage** 1000 V

**Inner Contact Resistance, maximum** 4 mOhm

**Insulation Resistance, minimum** 1000 MOhm

**Operating Frequency Band** 0 – 6000 MHz

**Outer Contact Resistance, maximum** 2.5 mOhm

**Peak Power, maximum** 1.25 kW

**RF Operating Voltage, maximum (vrms)** 250 V

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
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</thead>
<tbody>
<tr>
<td>0–3000 MHz</td>
<td>1.19</td>
<td>21.24</td>
</tr>
<tr>
<td>3000–6000 MHz</td>
<td>1.33</td>
<td>17</td>
</tr>
</tbody>
</table>

Mechanical Specifications

**Connector Retention Tensile Force** 134 N | 30.124 lbf
Connector Retention Torque: 0.17 N-m | 1.505 in lb
Insertion Force: 10 N | 2.248 lbf
Insertion Force Method: IEC 61169-29:9.3.5
Interface Durability: 500 cycles
Interface Durability Method: IEC 61169-29:9.5
Mechanical Shock Test Method: IEC 60068-2-27

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)
Attenuation, Ambient Temperature: 20 °C | 68 °F
Average Power, Ambient Temperature: 40 °C | 104 °F
Average Power, Inner Conductor Temperature: 100 °C | 212 °F
Climatic Sequence Test Method: IEC 60068-1
Corrosion Test Method: IEC 60068-2-11
Thermal Shock Test Method: IEC 60068-2-14
Vibration Test Method: IEC 60068-2-6
Water Jetting Test Mating: Mated

Packaging and Weights

Weight, net: 10.39 g | 0.023 lb

Regulatory Compliance/Certifications

Classification: Designed, manufactured and/or distributed under this quality management system

* Footnotes

Insertion Loss, typical: 0.05 v^-freq (GHz) (not applicable for elliptical waveguide)