MCX Male for CNT-195 braided cable

Product Classification

Brand: CNT®
Product Type: Braided cable connector

General Specifications

Interface: MCX Male
Body Style: Straight

Electrical Specifications

Operating Frequency Band: 0 – 6000 MHz
Average Power at Frequency: 150.0 W @ 900 MHz
Cable Impedance: 50 ohm
Connector Impedance: 50 ohm
RF Operating Voltage, maximum (vrms): 353.00 V
dc Test Voltage: 750 V
Outer Contact Resistance, maximum: 2.50 mOhm
Inner Contact Resistance, maximum: 5.00 mOhm
Insulation Resistance, minimum: 1000 MOhm
Peak Power, maximum: 2.50 kW
Insertion Loss, typical: 0.05 dB

Mechanical Specifications

Outer Contact Attachment Method: Crimp
Inner Contact Attachment Method: Solder
Interface Durability: 500 cycles
Connector Retention Tensile Force: 134 N | 30 lbf
Connector Retention Torque: 0.17 N-m | 0.13 ft lb
Pressurizable: No

Dimensions

Nominal Size: 0.195 in
Diameter: 26.80 mm | 1.06 in
Length: 15.90 mm | 0.63 in
Weight: 7.00 g | 0.02 lb
Width: 15.90 mm | 0.63 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
**Water Jetting Test Method**: IEC 60529:2001, IP65
**Mechanical Shock Test Method**: IEC 60068-2-27
**Climatic Sequence Test Method**: IEC 60068-1
**Damp Heat Steady State Test Method**: IEC 60068-2-3
**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

Regulatory Compliance/Certifications

<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>
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<tr>
<td>China RoHS SJ/T 11364-2014</td>
<td>Above Maximum Concentration Value (MCV)</td>
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</tbody>
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* Footnotes

**Insertion Loss, typical**: $0.05\sqrt{\text{freq (GHz)}}$ (not applicable for elliptical waveguide)