SMC Female Right Angle for CNT-195 braided cable

Product Classification

- **Brand**: CNT®
- **Product Type**: Braided cable connector

General Specifications

- **Interface**: SMC Female
- **Body Style**: Right angle

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)**: 335.00 V
- **dc Test Voltage**: 750 V
- **Outer Contact Resistance, maximum**: 2.50 mOhm
- **Inner Contact Resistance, maximum**: 5.00 mOhm
- **Insulation Resistance, minimum**: 5000 MOhm
- **Peak Power, maximum**: 2.20 kW
- **Insertion Loss, typical**: 0.05 dB

Mechanical Specifications

- **Outer Contact Attachment Method**: Crimp
- **Outer Contact Plating**: Gold
- **Inner Contact Plating**: Gold
- **Inner Contact Attachment Method**: Solder
- **Interface Durability**: 500 cycles
- **Interface Durability Method**: IEC 61169-9:9.5
- **Connector Retention Tensile Force**: 134 N | 30 lbf
- **Connector Retention Torque**: 0.17 N-m | 0.13 ft lb
- **Insertion Force**: 10.00 N | 2.25 lbf
- **Insertion Force Method**: IEC 61169-9:9.3.5
- **Pressurizable**: No

Dimensions

- **Nominal Size**: 0.195 in

©2019 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: September 2, 2019
195PSCFR-CR

Diameter: 10.00 mm | 0.39 in
Length: 115.00 mm | 4.53 in
Weight: 6.00 g | 0.01 lb
Width: 81.00 mm | 3.19 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 +223 °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

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification
Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)

* Footnotes

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