195BPSM-CR



SMA Male for CNT-195 braided cable

OBSOLETE

Product Classification

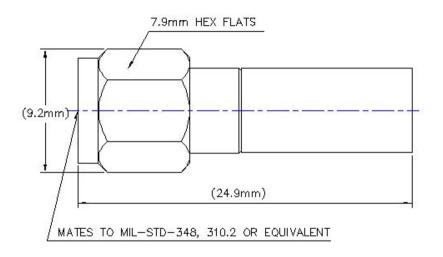
Product Type	duct Type Braided cable connecto	
Product Brand	CNT®	
General Specifications		
Body Style	Straight	
nner Contact Attachment Method Solder		
Inner Contact Plating	Gold	
nterface SMA Male		
Duter Contact Attachment Method Crimp		
Outer Contact Plating	Trimetal	
Dimensions		
Width	9.15 mm 0.36 in	
Length	24.87 mm 0.979 in	
Diameter	9.15 mm 0.36 in	
Nominal Size	0.195 in	

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Outline Drawing



Electrical Specifications

Insertion Loss, typical	0.05 dB
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	1000 V
Inner Contact Resistance, maximum	3 m0hm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	2.5 m0hm
Peak Power, maximum	2.5 kW
RF Operating Voltage, maximum (vrms)	353 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.041	33.94
3000-6000 MHz	1.074	28.95

Mechanical Specifications

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Connector Retention Tensile Force	134 N 30.124 lbf
Connector Retention Torque	0.17 N-m 1.505 in lb
Coupling Nut Proof Torque	1.7 N-m 15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-15:9.3.6
Coupling Nut Retention Force	180 N 40.466 lbf
Coupling Nut Retention Force Method	IEC 61169-15:9.3.11
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-15:9.5
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Storage Temperature-65 °C to +125 °C (-85 °F to +257 °F)Attenuation, Ambient Temperature20 °C 68 °FAverage Power, Ambient Temperature40 °C 104 °FAverage Power, Inner Conductor Temperature100 °C 212 °FClimatic Sequence Test MethodIEC 60068-1Corrosion Test MethodIEC 60068-2-11Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Average Power, Ambient Temperature40 °C 104 °FAverage Power, Inner Conductor Temperature100 °C 212 °FClimatic Sequence Test MethodIEC 60068-1Corrosion Test MethodIEC 60068-2-11Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Average Power, Inner Conductor Temperature100 °C 212 °FClimatic Sequence Test MethodIEC 60068-1Corrosion Test MethodIEC 60068-2-11Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Attenuation, Ambient Temperature	20 °C 68 °F
Climatic Sequence Test MethodIEC 60068-1Corrosion Test MethodIEC 60068-2-11Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Average Power, Ambient Temperature	40 °C 104 °F
Corrosion Test MethodIEC 60068-2-11Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Average Power, Inner Conductor Temperature	100 °C 212 °F
Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Climatic Sequence Test Method	IEC 60068-1
Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Corrosion Test Method	IEC 60068-2-11
Vibration Test MethodIEC 60068-2-6Water Jetting Test MatingMated	Damp Heat Steady State Test Method	IEC 60068-2-3
Water Jetting Test Mating Mated	Thermal Shock Test Method	IEC 60068-2-14
	Vibration Test Method	IEC 60068-2-6
Water Jetting Test MethodIEC 60529:2001, IP65	Water Jetting Test Mating	Mated
	Water Jetting Test Method	IEC 60529:2001, IP65

Packaging and Weights

Weight, net

4.61 g | 0.01 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant/Exempted

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* Footnotes

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

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