CO85ASM



Product Classification

Product Type Product Series

General Specifications

Body Style	Straight
Cable Family	CF085-50
Inner Contact Attachment Method	Solder
Inner Contact Plating	Gold
Interface	SMA Male
Mounting Angle	Straight
Outer Contact Attachment Method	Solder
Outer Contact Plating	Gold
Pressurizable	No
Dimensions	
Height	9.14 mm 0.36 in
Width	9.14 mm 0.36 in
Length	11.18 mm 0.44 in
Diameter	9.14 mm 0.36 in

Outline Drawing

SMA Male for 0.085 in CF085-50 cable

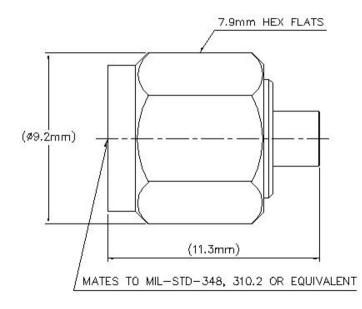
Wireless and radiating connector	
CF085-50	

CF085-50			
Solder			
Gold			
SMA Male	Ĵ		
Straight			
Solder			
Gold			
No			
9.14 mm		0.36	in

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Electrical Specifications

Average Power at Frequency	0.2 kW @ 900 MHz
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	0.21 kW
RF Operating Voltage, maximum (vrms)	500 V
Shielding Effectiveness	-100 dB
Mechanical Specifications	
Coupling Nut Proof Torque	1.7 N-m 15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-16:9.3.11
Coupling Nut Retention Force	266.98 N 60.02 lbf
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11
Insertion Force	97.86 N 22 lbf

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CO85ASM

Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °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
Corrosion Test Method	IEC 60068-2-11
Immersion Depth	1 m
Immersion Test Mating	
initial solution rest mating	Mated
Immersion Test Method	Mated IEC 60529:2001, IP68
J	
Immersion Test Method	IEC 60529:2001, IP68
Immersion Test Method Moisture Resistance Test Method	IEC 60529:2001, IP68 IEC 60068-2-3

Packaging and Weights

Weight, net

2.6 g | 0.006 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

* Footnotes

Immersion Depth

Immersion at specified depth for 24 hours

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