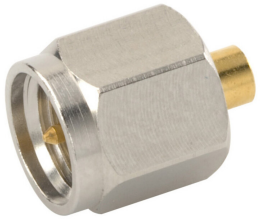
C085ASM



SMA Male for 0.085 in CF085-50 cable

Product Classification

Product Type	Wireless and radiating connector
Product Series	CF085-50

General Specifications

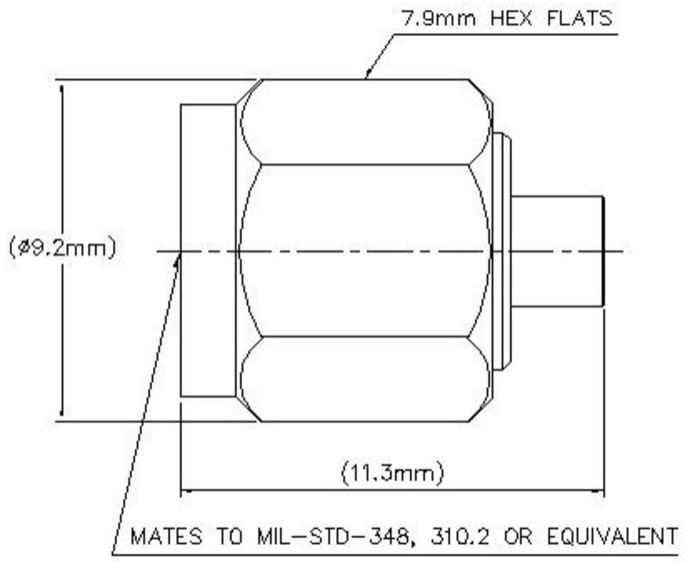
Body Style	Straight
Cable Family	CF085-50
Inner Contact Attachment Method	Solder
Inner Contact Plating	Gold
Interface	SMA Male
Mounting Angle	Straight
Outer Contact Attachment Method	Solder
Outer Contact Plating	Gold
Pressurizable	No

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

C085ASM



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 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	2.5 mOhm
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

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	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant/Exempted

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours