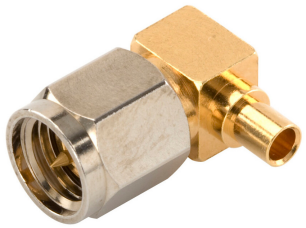
C085ASR



SMA Male Right Angle for 0.085 in CF085-50 cable

Product Classification

Product Type	Wireless and radiating connector
Product Series	CF085-50

General Specifications

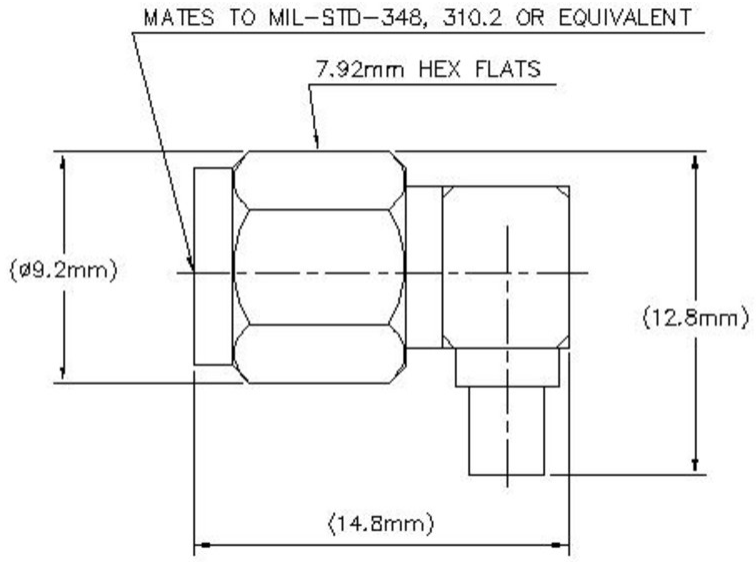
Body Style	Right angle
Cable Family	CF085-50
Inner Contact Attachment Method	Solder
Inner Contact Plating	Gold
Interface	SMA Male
Mounting Angle	Right angle
Outer Contact Attachment Method	Solder
Outer Contact Plating	Gold

Dimensions

Height	7.87 mm | 0.31 in
Width	12.7 mm | 0.5 in
Length	14.73 mm | 0.58 in
Diameter	7.87 mm | 0.31 in

Outline Drawing

C085ASR



Electrical Specifications

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

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–3000 MHz	1.052	31.92
3000–6000 MHz	1.196	20.99

Mechanical Specifications

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	180.02 N | 40.47 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

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
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	9 g | 0.02 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