

Product Specifications

COMMSCOPE®

C085NFBH

Type N Female Bulkhead for 0.085 in CF085-50 cable

General Specifications

Interface	N Female
Body Style	Bulkhead
Mounting Angle	Straight

Electrical Specifications

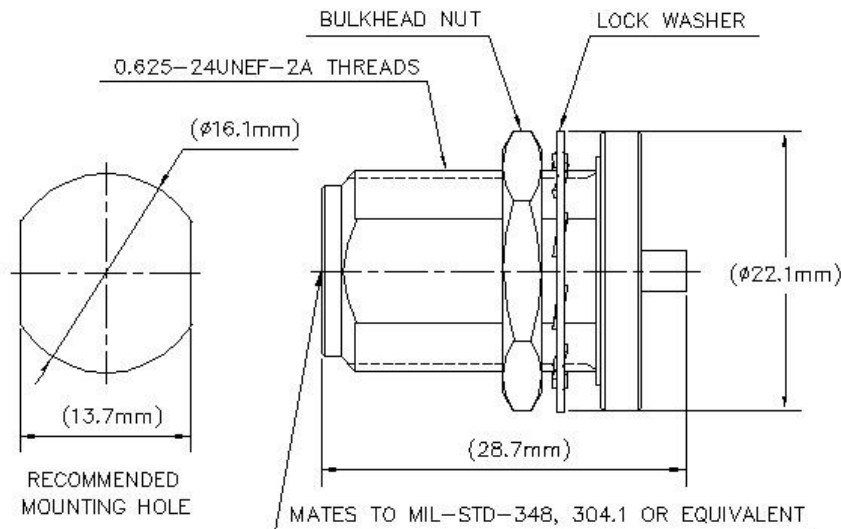
Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
Cable Impedance	50 ohm
3rd Order IMD, typical	-112 dBm @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
RF Operating Voltage, maximum (vrms)	671.00 V
dc Test Voltage	1900 V
Outer Contact Resistance, maximum	0.25 mOhm
Inner Contact Resistance, maximum	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	0.2 kW @ 900 MHz
Peak Power, maximum	0.21 kW
Shielding Effectiveness	-100 dB

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Outline Drawing



Mechanical Specifications

Outer Contact Attachment Method	Solder
Inner Contact Attachment Method	Solder
Outer Contact Plating	Trimetal
Inner Contact Plating	Gold
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Insertion Force	124.55 N 28.00 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Pressurizable	No

Dimensions

Diameter	22.10 mm 0.87 in
Height	22.10 mm 0.87 in
Length	28.70 mm 1.13 in
Weight	41.39 g 0.09 lb
Width	22.10 mm 0.87 in

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)
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Mechanical Shock Test Method	IEC 60068-2-27

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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

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
824–2700 MHz	1.06	31.00
3000–6000 MHz	1.12	25.00

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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