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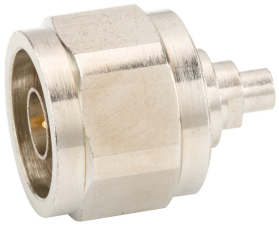

Type N Male for 0.141 in CF141-50 cable

Product Classification

Product Type	Wireless and radiating connector
Product Series	CF141-50

General Specifications

Body Style	Straight
Cable Family	CF141-50
Inner Contact Attachment Method	Solder
Inner Contact Plating	Gold
Interface	N Male
Mounting Angle	Straight
Outer Contact Attachment Method	Solder
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Height	20.07 mm | 0.79 in
Width	20.07 mm | 0.79 in
Length	26.92 mm | 1.06 in
Diameter	20.07 mm | 0.79 in

Outline Drawing

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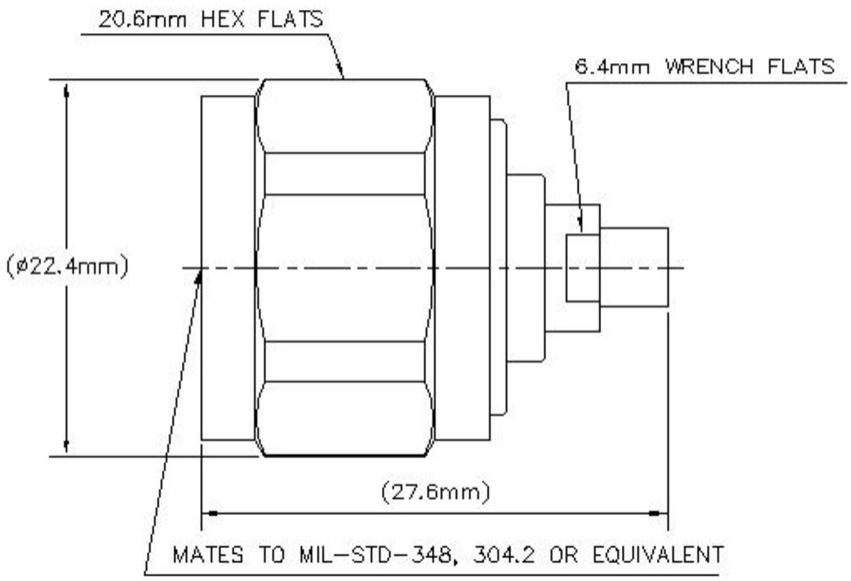

Electrical Specifications

3rd Order IMD at Frequency	-90 dBm @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power at Frequency	0.4 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	1900 V
Inner Contact Resistance, maximum	1 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	0.25 mOhm
Peak Power, maximum	0.66 kW
RF Operating Voltage, maximum (vrms)	671 V
Shielding Effectiveness	-100 dB

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
824–2700 MHz	1.094	26.96
3000–6000 MHz	1.094	26.96

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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	445 N | 100.04 lbf
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11
Insertion Force	124.55 N | 28 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	51.78 g | 0.114 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours