C250DFBH-20



7-16 DIN Female Bulkhead for 1/4 in CF250-50 cable

Wireless and radiating connector

CF250-50

Product Classification

Product Type Product Series

General Specifications

| Body Style | Bulkhead |
|---------------------------------|-----------------|
| Cable Family | CF250-50 |
| Inner Contact Attachment Method | Captivated |
| Inner Contact Plating | Silver |
| Interface | 7-16 DIN Female |
| Mounting Angle | Straight |
| Outer Contact Attachment Method | Solder |
| Outer Contact Plating | Silver |
| Pressurizable | No |
| Dimensions | |

| Height | 40.89 mm 1.61 in |
|--------------|--------------------|
| Width | 40.89 mm 1.61 in |
| Length | 43.69 mm 1.72 in |
| Diameter | 40.89 mm 1.61 in |
| Nominal Size | 1/4 in |

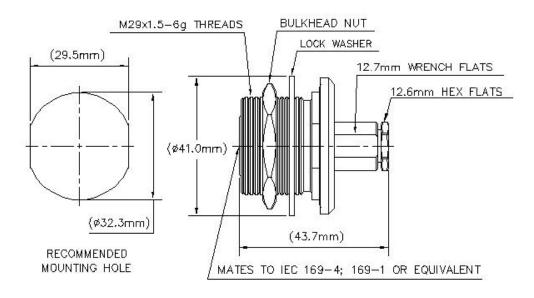
Outline Drawing

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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 | 1.0 kW @ 900 MHz |
| Cable Impedance | 50 ohm |
| Connector Impedance | 50 ohm |
| Inner Contact Resistance, maximum | 1.5 m0hm |
| Insulation Resistance, minimum | 10000 MOhm |
| Operating Frequency Band | 0 – 6000 MHz |
| Outer Contact Resistance, maximum | 0.4 m0hm |
| Shielding Effectiveness | -100 dB |
| | |

VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---------------------------------|-------|---------------------|
| 824–2700 MHz | 1.074 | 28.95 |
| 3000-6000 MHz | 1.433 | 14.99 |
| Mechanical Specifications | | |
| Coupling Nut Proof Torque Metho | d | IEC 61169-16:9.3.11 |
| Insertion Force | | 889.64 N 200 lbf |

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| 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 |
| 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

147.57 g | 0.325 lb

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