

# Product Specifications



## 240APNF-BH-CR

Type N Female Bulkhead for CNT-240 braided cable

### CHARACTERISTICS

#### General Specifications

Interface	N Female
Body Style	Bulkhead

#### Electrical Specifications

Operating Frequency Band	0 – 6000 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	180.0 W @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	1500 V
Inner Contact Resistance	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	0.25 mOhm
Peak Power, maximum	5.60 kW
RF Operating Voltage, maximum (vrms)	529.00 V
Shielding Effectiveness	-90 dB
3rd Order IMD	-75 dBm @ 910 MHz

#### Mechanical Specifications

Connector Retention Tensile Force	134 N   30 lbf
Connector Retention Torque	0 N-m   0 ft lb
Inner Contact Attachment Method	Solder
Insertion Force	28.00 N   6.29 lbf
Insertion Force Method	IEC 169-17:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 169-16:9.5
Outer Contact Attachment Method	Crimp
Pressurizable	No

#### Dimensions

Nominal Size	0.240 in
Diameter, maximum	22.10 mm   0.87 in
Length	42.70 mm   1.68 in
Weight	43.57 g   0.10 lb
Width	22.10 mm   0.87 in

#### Environmental Specifications

Climatic Sequence Test Method	IEC 60068-1
Corrosion Test Method	IEC 60068-2-11
Damp Heat Steady State Test Method	IEC 60068-2-3

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Mechanical Shock Test Method	IEC 60068-2-27
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

## Standard Conditions

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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

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Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.07	29.00
3000–6000 MHz	1.15	22.94