

# Product Specifications



## 41ASN-8

Type N Female Bulkhead for 1/4 in FSJ1-50A cable

### CHARACTERISTICS

#### General Specifications

Interface	N Female
Body Style	Bulkhead
Mounting Angle	Straight

#### Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	0.4 kW @ 900 MHz
Cable Impedance	50 ohm
dc Test Voltage	1600 V
Inner Contact Resistance	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	0.25 mOhm
Peak Power, maximum	6.40 kW
RF Operating Voltage, maximum (vrms)	565.00 V
Shielding Effectiveness	-110 dB
3rd Order IMD	-112 dBm @ 910 MHz

#### Mechanical Specifications

Outer Contact Attachment Method	Solder
Connector Retention Tensile Force	450 N   101 lbf
Connector Retention Torque	1 N-m   1 ft lb
Inner Contact Attachment Method	Solder
Insertion Force	124.55 N   28.00 lbf
Insertion Force Method	IEC 169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 169-4:17
Pressurizable	No

#### Dimensions

Nominal Size	1/4 in
Diameter, maximum	43.69 mm   1.72 in
Height	43.69 mm   1.72 in
Length	20.57 mm   0.81 in
Width	43.69 mm   1.72 in

#### Environmental Specifications

Corrosion Test Method	IEC 60068-2-11
Mechanical Shock Test Method	IEC 60068-2-27

# Product Specifications



Moisture Resistance Test Method	IEC 60068-2-3
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)
45–2000 MHz	1.38	16.00