



UHF Male for 1/4 in FSJ1-50A cable

OBSOLETE

Product Classification

**Product Type** Wireless and radiating connector

General Specifications

**Body Style** Straight

**Cable Family** FSJ1-50A

**Inner Contact Plating** Silver

**Interface** UHF Male

**Mounting Angle** Straight

**Outer Contact Plating** Nickel

**Pressurizable** No

Dimensions

**Height** 18.54 mm | 0.73 in

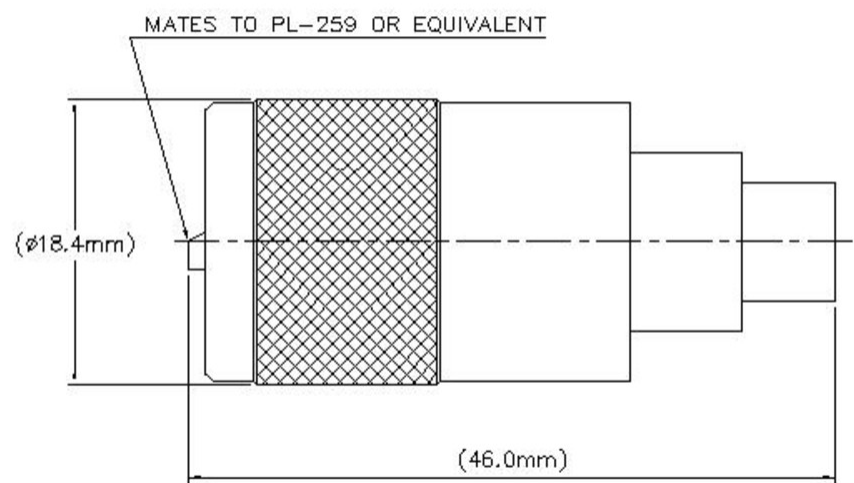
**Width** 18.54 mm | 0.73 in

**Length** 43.69 mm | 1.72 in

**Diameter** 18.54 mm | 0.73 in

**Nominal Size** 1/4 in

Outline Drawing



Electrical Specifications

3rd Order IMD at Frequency	-112 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
Operating Frequency Band	0 – 3000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–400 MHz	1.16	23

Mechanical Specifications

Connector Retention Tensile Force	449.27 N   101 lbf
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	61 g   0.134 lb
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

