

44SPCW

SC Male for 1/2 in cable

OBSOLETE

Product Classification

Product Type Wireless and radiating connector

General Specifications

Body Style Straight

Inner Contact Attachment Method Solder

Inner Contact Plating Gold

Interface SC Male

Mounting Angle Straight

Outer Contact Attachment Method Tab-flare

Outer Contact Plating Silver

Pressurizable No

Dimensions

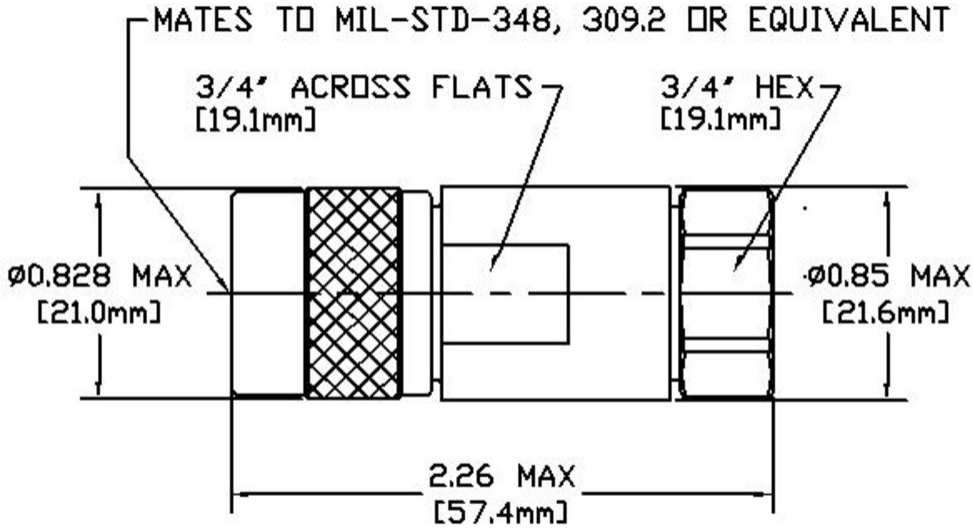
Length 68.58 mm | 2.7 in

Diameter 22.86 mm | 0.9 in

Nominal Size 1/2 in

Outline Drawing

44SPCW



Electrical Specifications

Insertion Loss Coefficient, typical	0.05
Cable Impedance	50 ohm
Operating Frequency Band	0 – 10000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–1060 MHz	1.135	23.98
1060–3090 MHz	1.196	20.99
3090–4110 MHz	1.29	18
4110–6120 MHz	1.38	16
6120–10200 MHz	1.79	11

Mechanical Specifications

Attachment Durability	25 cycles
Connector Retention Tensile Force	889.64 N 200 lbf
Connector Retention Torque	5.42 N-m 47.998 in lb

Environmental Specifications

Attenuation, Ambient Temperature	20 °C 68 °F
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44SPCW

Average Power, Ambient Temperature 40 °C | 104 °F

Packaging and Weights

Weight, net 90.72 g | 0.2 lb

Regulatory Compliance/Certifications

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

* Footnotes

Insertion Loss Coefficient, typical $0.05\sqrt{\text{freq}} \text{ (GHz)}$ (not applicable for elliptical waveguide)