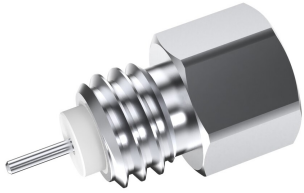


B2BYM-SI



1.5-3.5 Male Straight B2B, Screw-In Type on Filter

Product Classification

Product Type Device connector

General Specifications

Body Style Straight

Inner Contact Attachment Method Solder

Inner Contact Plating Silver

Interface 1.5-3.5 Male

Mounting Angle Straight

Outer Contact Plating Trimetal

Dimensions

Height 7.8 mm | 0.307 in

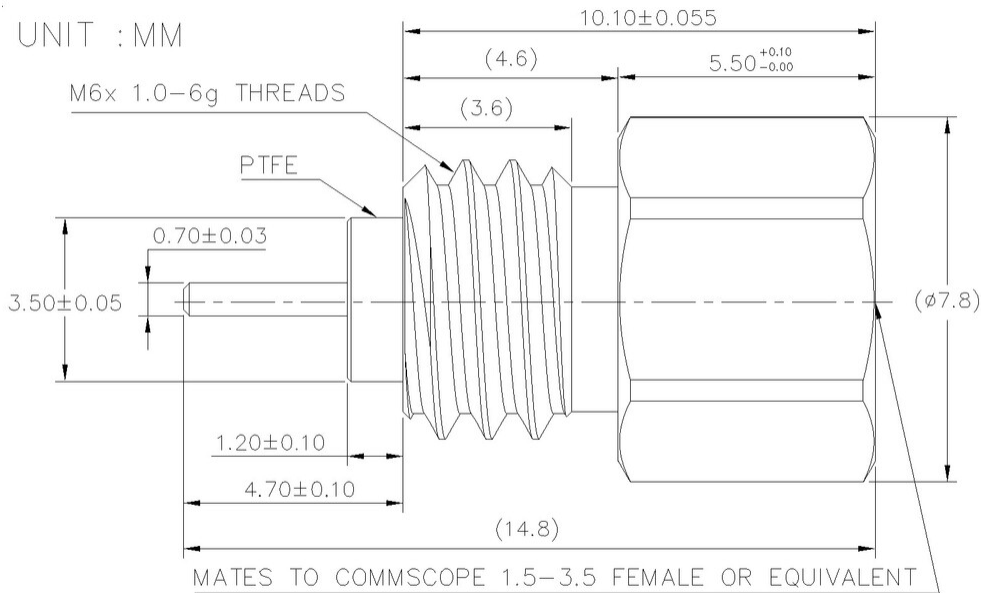
Width 7.8 mm | 0.307 in

Length 14.8 mm | 0.583 in

Diameter 7.8 mm | 0.307 in

Outline Drawing

B2BYM-SI



Electrical Specifications

3rd Order IMD at Frequency

-110 dBm @ 3500 MHz | -117 dBm @ 1800 MHz | -117 dBm @ 2600 MHz | -117 dBm @ 910 MHz

3rd Order IMD Test Method

Two +43 dBm carriers

Insertion Loss, maximum

0.1 dB

Connector Impedance

50 ohm

dc Test Voltage

1000 V

Inner Contact Resistance, maximum

2 mOhm

Insulation Resistance, minimum

5000 MOhm

Operating Frequency Band

0 – 6000 MHz

Outer Contact Resistance, maximum

2 mOhm

RF Operating Voltage, maximum (vrms)

500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
450-2200 MHz	1.065	30.04
2200-3800 MHz	1.065	30.04

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3800–4200 MHz	1.083	27.99
4200–6000 MHz	1.222	20.01

Mechanical Specifications

Insertion Force	15 N 3.372 lbf
Interface Durability	100 cycles
Interface Durability Method	IEC 61169-4:17
Mechanical Shock Test Method	IEC 60068-2-27
Radial Float/Misalignment	2.7 °

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
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	1.75 g 0.004 lb
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