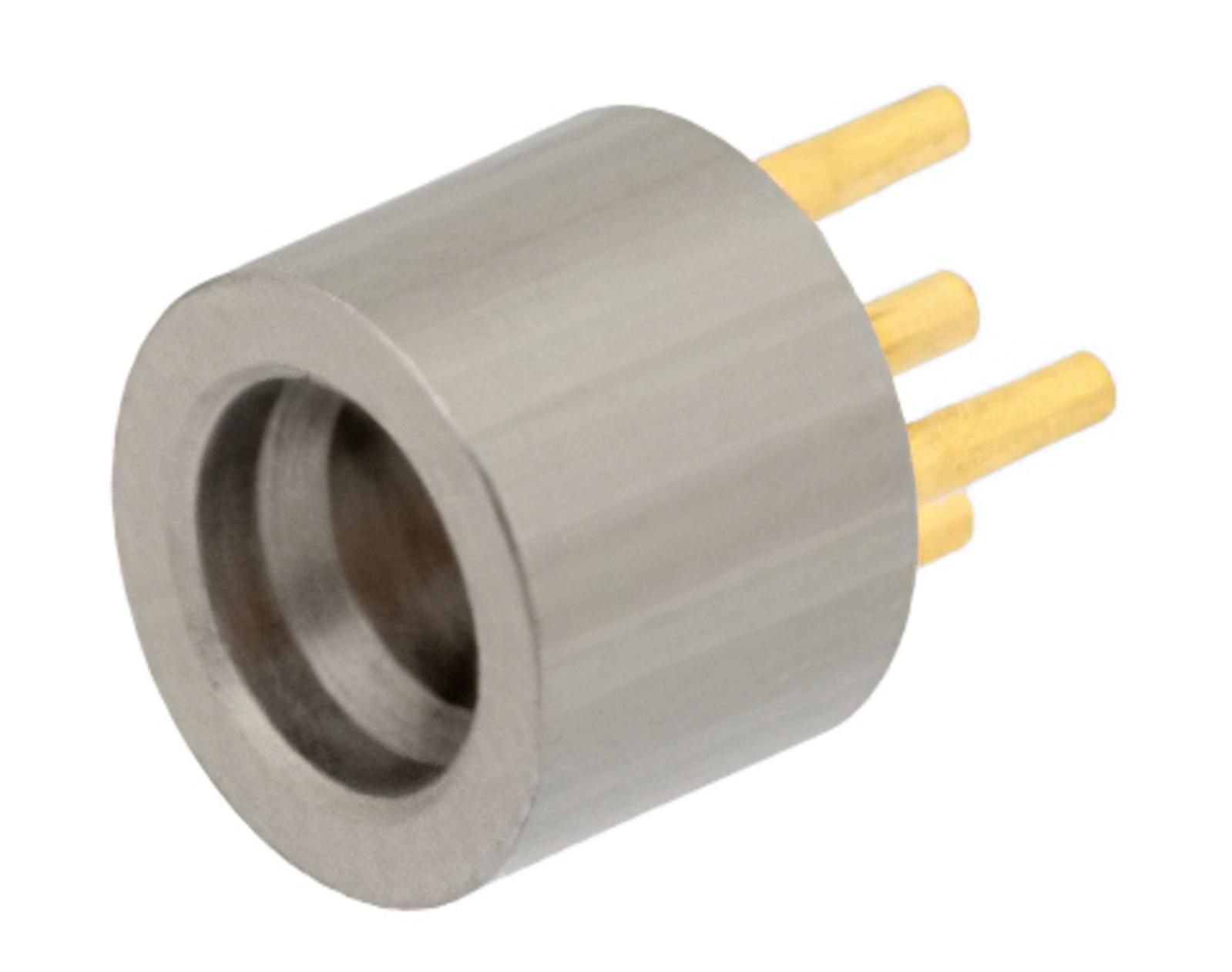


SMP Male Full Detent Connector Solder Attachment Thru Hole P CB, Round Body, Up To 8 GHz



## RF Connectors Technical Data Sheet

ET11509

## Configuration

- Full Detent SMP Male Connector
- MIL-STD-348A
- 50 Ohms

## Features

- Max. Operating Frequency 8 GHz
- Excellent VSWR of 1.1:1

- Straight Body Geometry
- Thru Hole Interface Type
- Solder Attachment
- Gold Plated Phosphor Bronze Contact
- Blind Mate Connector

## Applications

General Purpose Test

PCB Applications

#### Description

Ebeestock's ET11509 SMP male full detent connector with solder attachment for thru hole PCB is part of our full line of RF components available for same-day shipping. Our SMP male connector operates up to a maximum frequency of 8 GHz and offers excellent VSWR of 1.1:1. The Ebeestock blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated.

Our SMP male connector ET11509 datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Ebeestock has the right connector for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.1:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

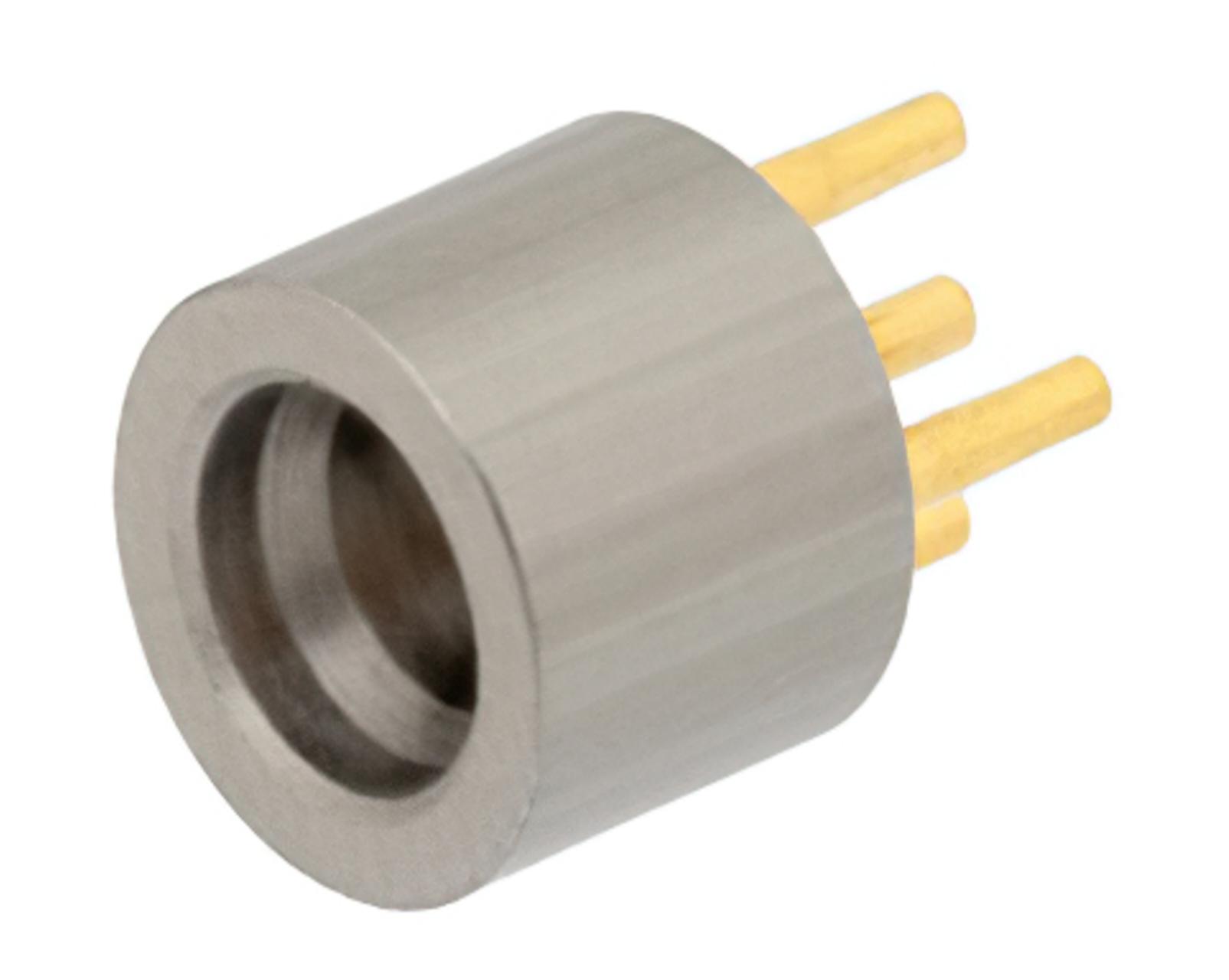
Insertion loss =  $0.13 \times \text{sqrt(fGHz)} dB \text{ max.}$ 

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Male Full Detent Connector Solder Attachment Thru Hole PCB, Round Body, Up To 8 GHz ET11509

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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## RF Connectors Technical Data Sheet

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#### Mechanical Specifications

Size

 Length
 0.295 in [7.49 mm]

 Width/Dia.
 0.218 in [5.54 mm]

 Weight
 0.005 lbs [2.27 g]

 Mating Cycles
 100 Cycles

#### **Material Specifications**

Description	Material	Plating	
Contact	Phosphor Bronze	Gold	
Insulation	PTFE		
Body	Passivated Stainless Steel		

## **Environmental Specifications**

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

SMP Male Full Detent Connector Solder Attachment Thru Hole PCB, Round Body, Up To 8 GHz from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Male Full Detent Connector Solder Attachment Thru Hole PCB, Round Body, Up To 8 GHz ET11509

**URL:** https://www.ebeestock.com/smp-male-full-detent-connector-solder-attachment-thru-hole-pcb-round-body-up-to-8-ghz-0011509

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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# ET11509 CAD Drawing

SMP Male Full Detent Connector Solder Attachment Thru Hole PCB, Round Body, Up To 8 GHz

