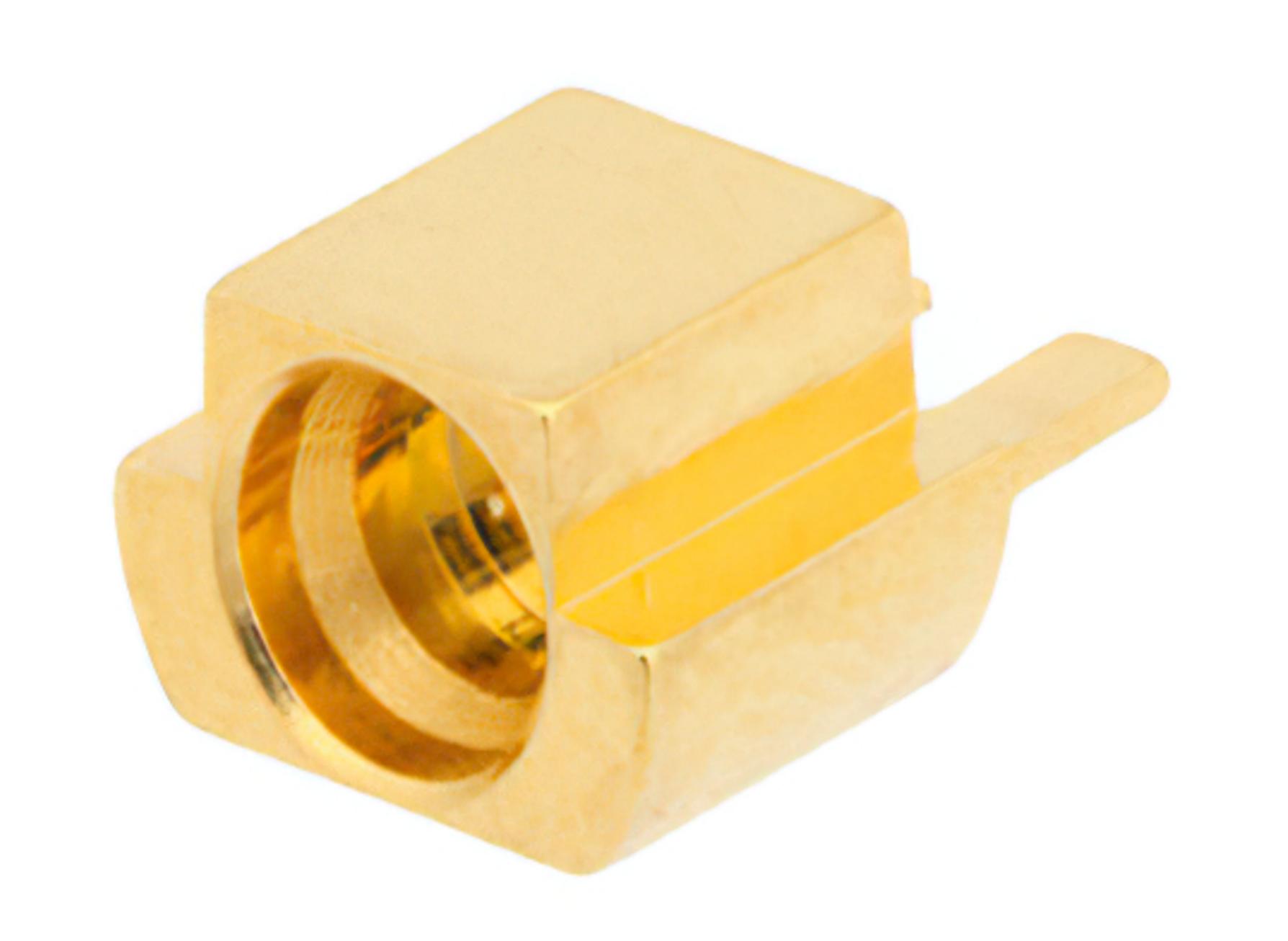


SMP Male Limited Detent Connector Solder Attachment End Laun ch PCB, Up To 8 GHz



RF Connectors Technical Data Sheet

ET11511

Configuration

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

Features

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

- Straight Body Geometry
- End Launch Interface Type
- Solder Attachment
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector

Applications

General Purpose Test

PCB Applications

Description

Ebeestock's ET11511 SMP male limited detent connector with solder attachment for end launch 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 ET11511 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:

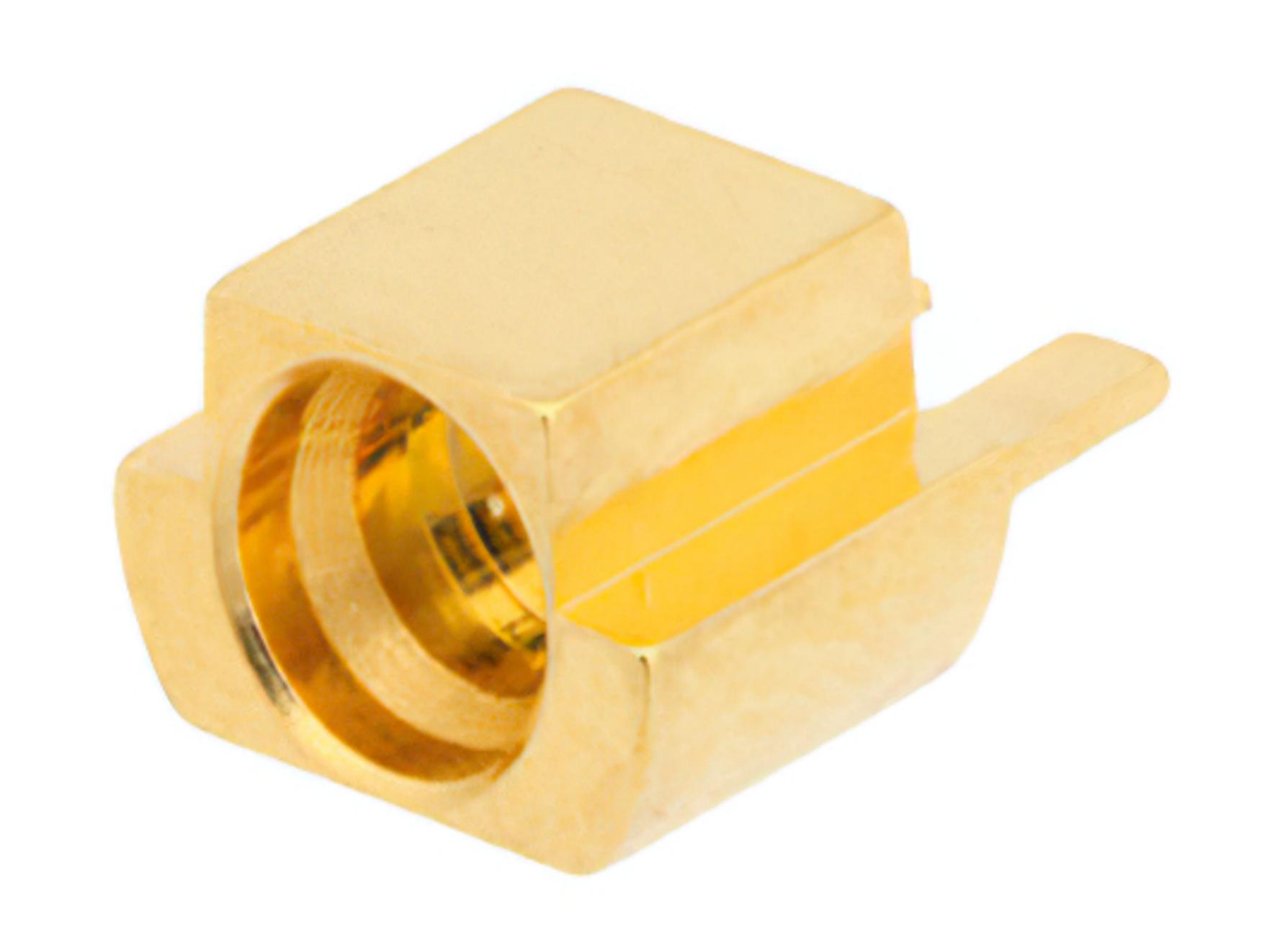
Insertion loss = $0.13 \times \text{sqrt(fGHz)} dB \text{ max.}$

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Male Limited Detent Connector Solder Attachment End Launch PCB, Up To 8 GHz ET11511

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
 0.289 in [7.34 mm]

 Width/Dia.
 0.305 in [7.75 mm]

 Height
 0.171 in [4.34 mm]

 Weight
 0.005 lbs [2.27 g]

 Mating Cycles
 500 Cycles

Material Specifications

| Description | Material | Plating | |
|-------------|------------------|---------|--|
| Contact | Beryllium Copper | Gold | |
| Insulation | PTFE | | |
| Body | Brass | Gold | |
| | | | |

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 Limited Detent Connector Solder Attachment End Launch PCB, 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 Limited Detent Connector Solder Attachment End Launch PCB, Up To 8 GHz ET11511

URL: https://www.ebeestock.com/smp-male-limited-detent-connector-solder-attachment-end-launch-p cb-up-to-8-ghz-0011511

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. <a href="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.

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

ET11511 CAD Drawing

SMP Male Limited Detent Connector Solder Attachment End Launch PCB, Up To 8 GHz

