

SMA Female (Jack) to SMP Male (Plug)
Limited Detent Adapter, Passivated Stainless
Steel Body, High Temp, 1.2 VSWR



SM8813

Configuration

- SMA Female Connector 1
- Limited Detent SMP Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- VSWR of 1.2:1 max up to 26.5 GHz
- SMA interface meets MIL-STD-348
- SMP interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

SMA female to SMP male limited detent adapter part number SM8813 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP adapter has a female to male gender configuration. SM8813 SMA female to SMP male adapter operates to 26.5 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC | | 26.5 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.2:1 | |

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size

| | |
|--------|--------------------|
| Length | 0.78 in [19.81 mm] |
| Width | 0.28 in [7.11 mm] |
| Height | 0.28 in [7.11 mm] |
| Weight | 0.01 lbs [4.31 g] |

| Description | Connector 1 | Connector 2 |
|-------------------------|-------------|-------------|
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348 | MIL-STD-348 |

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| Description | Connector 1 | Connector 2 |
|--------------------|-------------|-------------|
| Mating Cycles, Min | 500 | |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|----------------------------|---------------------|----------------------------|---------------------|
| | Material | Plating | Material | Plating |
| Type | SMA Female | | Limited Detent SMP Male | |
| Contact | Beryllium Copper | Gold MIL-G-45204 | Beryllium Copper | Gold MIL-G-45204 |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Passivated Stainless Steel | AMS-QQ-P-35 | | |
| Body | | | Passivated Stainless Steel | AMS-QQ-P-35 |

Environmental Specifications

Temperature

Operating Range -55 to +125 °C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

SMA Female (Jack) to SMP Male (Plug) Limited Detent Adapter, Passivated Stainless Steel Body, High Temp, 1.2 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female \(Jack\) to SMP Male \(Plug\) Limited Detent Adapter, Passivated Stainless Steel Body, High Temp, 1.2 VSWR SM8813](#)

URL: <https://www.fairviewmicrowave.com/sma-female-smp-male-limited-detent-adapter-sm8813-p.aspx>

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SM8813 CAD Drawing

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