

## RF PCB Connector, SMA Female Right Angle Connector Solder Attachment Surface Mount PCB

RA SMA female connector with solder attachment for surface mount PCB, part number FMCN44282, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 18 GHz. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA SMA female connector FMCN44282 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.



### Configuration:

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Surface Mount Interface Type
- Solder Attachment

### Electrical Specifications

| Description            | Min   | Typ | Max   | Units |
|------------------------|-------|-----|-------|-------|
| Frequency Range        | DC    |     | 18    | GHz   |
| Operating Voltage (AC) |       |     | 500   | Vrms  |
| DWV (AC)               |       |     | 1,000 | Vrms  |
| Insulation Resistance  | 5,000 |     |       | MOhms |
| Input Power (CW)       |       |     | 220   | Watts |

### Features:

- Operating Frequency of 18 GHz Max.
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

### Applications:

- General Purpose Test
- PCB Applications

### Mechanical Specifications

#### Size

|               |                     |
|---------------|---------------------|
| Length        | 0.525 in [13.34 mm] |
| Width/Dia.    | 0.25 in [6.35 mm]   |
| Height        | 0.325 in [8.26 mm]  |
| Weight        | 0.005 lbs [2.27 g]  |
| Mating Cycles | 500 Cycles          |

#### Material Specifications

| Description | Material         | Plating                |
|-------------|------------------|------------------------|
| Contact     | Beryllium Copper | Gold<br>50 µin minimum |
| Insulation  | PTFE             |                        |
| Body        | Brass            | Gold<br>30 µin minimum |

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## Environmental Specifications

### Temperature

Operating Range -65 to +165 deg C

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

## Plotted and Other Data

Notes:

RF PCB Connector, SMA Female Right Angle Connector Solder Attachment Surface Mount PCB 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: [RF PCB Connector, SMA Female Right Angle Connector Solder Attachment Surface Mount PCB FMCN44282](#)

URL: <https://www.fairviewmicrowave.com/sma-female-surface-mount-pcb-connector-fmcn44282-p.aspx>

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