

WR-75 to SMA Female Waveguide to Coax Adapter Square Cover Standard with 10 GHz to 15 GHz X-Ku Band in Aluminum

The SMW75ACC is a waveguide to coaxial adapter with a frequency range of 10 to 15 GHz, operating in the X-Ku band. This adapter offers a precision tolerance square cover flange and a WR-75 waveguide interface size. SMW75ACC is constructed of aluminum to ensure durability and repeatable RF performance. The SMA female connector mates with commercially available 2.92mm and 3.5mm connectors. The package is REACH and RoHS compliant.

Configuration

| | |
|----------------|--------------|
| Waveguide Size | WR-75 |
| Flange | Square Cover |
| RF Connector | SMA Female |
| Body Geometry | Right Angle |

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|-----|------|--------|-------|
| Frequency Range | 10 | | 15 | GHz |
| VSWR | | | 1.25:1 | |
| Insertion Loss | | 0.25 | | dB |

Mechanical Specifications

Size

| | |
|--------|---------------------|
| Length | 1.18 in [29.97 mm] |
| Width | 1.5 in [38.1 mm] |
| Height | 1.5 in [38.1 mm] |
| Weight | 0.098 lbs [44.45 g] |

RF Connector

| | |
|------------------------------|----------------------------|
| Connector Type | SMA Female |
| Specification | 30 μ in. min. |
| Contact Material and Plating | Beryllium Copper, Gold |
| Body Material and Plating | Passivated Stainless Steel |
| Torque | 8 in-lbs [0.9 Nm] |

Waveguide Interface

| | |
|---------------------------|--------------|
| Waveguide Type | WR-75 |
| Flange Type | Square Cover |
| Body Material and Plating | Aluminum |

Environmental Specifications

Temperature

| | |
|-----------------|-------------------|
| Operating Range | -55 to +120 deg C |
|-----------------|-------------------|

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

Plotted and Other Data

Notes:

- Values at +25 °C, sea level unless stated otherwise



Features:

- X-Ku Band, 10 to 15 GHz Frequency Range
- WR-75 Waveguide Interface with Square Cover Flange
- SMA Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

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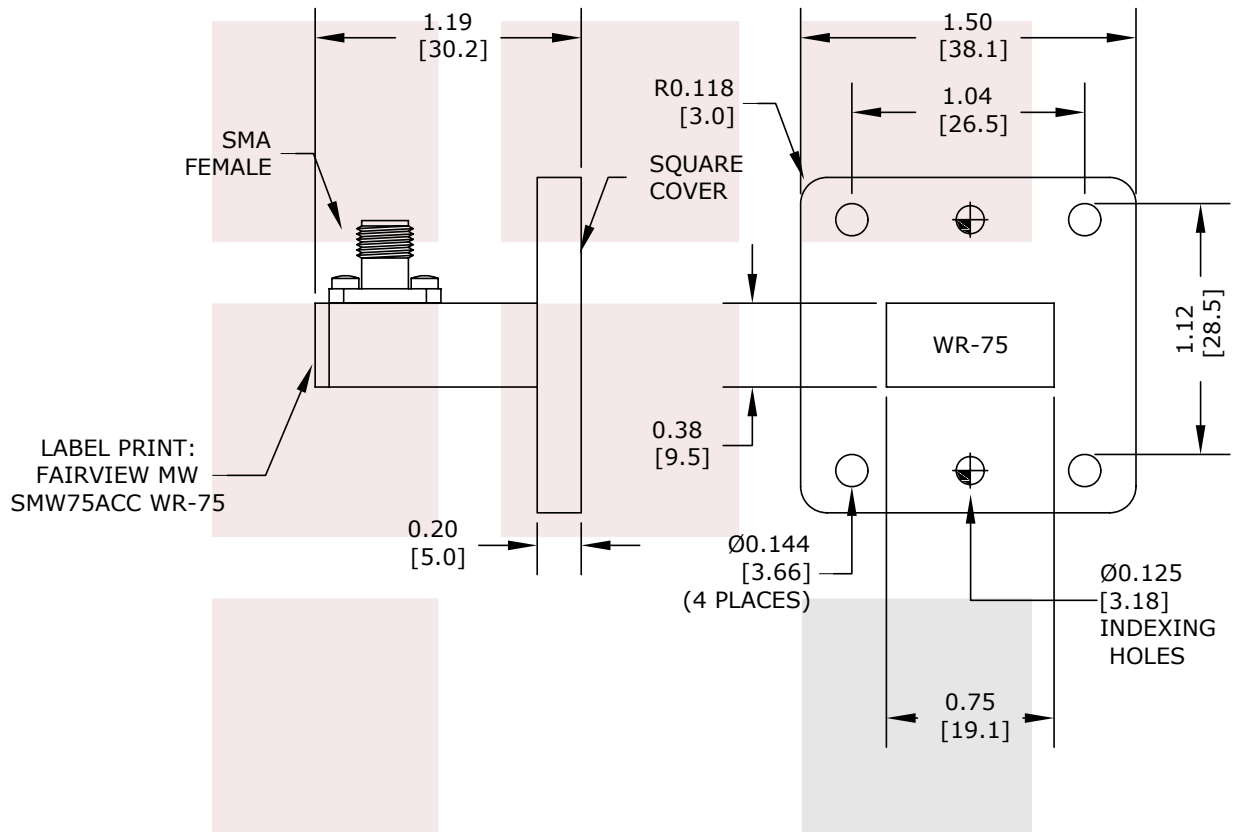
WR-75 to SMA Female Waveguide to Coax Adapter Square Cover Standard with 10 GHz to 15 GHz X-Ku Band in Aluminum from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-75 to SMA Female Waveguide to Coax Adapter Square Cover Standard with 10 GHz to 15 GHz X-Ku Band in Aluminum SMW75ACC](#)

URL: <https://www.fairviewmicrowave.com/wr-75-sma-female-connector-waveguide-coax-adapter-10-15-ghz-smw75acc-p.aspx>

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| STANDARD TOLERANCES | |
|---------------------|-------|
| .X | ±0.2 |
| .XX | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|--|--------|---|-------|---------------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE WR-75 to SMA Female Waveguide to Coax Adapter Square Cover Standard with 10 GHz to 15 GHz X-Ku Band in Aluminum | | DWG NO SMW75ACC | | CAGE CODE 3FKR5 | |
| CAD FILE | 041316 | SHEET | SCALE | N/A | SIZE A 3045 |