

**WR-34 to 2.92mm Female Waveguide to Coax Adapter Square Cover Flange With 22 GHz to 33 GHz Frequency Range For K-Ka Band**

The 34AC206 is a waveguide to coaxial adapter with a frequency range of 22 to 33 GHz, operating in the K-Ka band. This adapter offers a precision tolerance square cover flange and a WR-34 waveguide interface size. 34AC206 is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a 2.92mm geometry endorsed by International Electrotechnical Commission (IEC). The 2.92mm female connector mates with commercially available SMA and 3.5mm connectors.



**Features:**

- K-Ka Band, 22 to 33 GHz Frequency Range
- WR-34 Waveguide Interface with Square Cover Flange
- 2.92mm Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

**Configuration**

|                |               |
|----------------|---------------|
| Waveguide Size | WR-34         |
| Flange         | Square Cover  |
| RF Connector   | 2.92mm Female |
| Impedance      | 50 Ohms       |
| Body Geometry  | Right Angle   |

**Electrical Specifications**

| Description     | Min | Typ | Max    | Units |
|-----------------|-----|-----|--------|-------|
| Frequency Range | 22  |     | 33     | GHz   |
| VSWR            |     |     | 1.25:1 |       |

**Mechanical Specifications**

**Size**

|        |                      |
|--------|----------------------|
| Length | 0.62 in [15.75 mm]   |
| Width  | 0.88 in [22.35 mm]   |
| Height | 0.88 in [22.35 mm]   |
| Weight | 0.02337 lbs [10.6 g] |

**RF Connector**

|                              |                            |
|------------------------------|----------------------------|
| Connector Type               | 2.92mm Female              |
| Contact Material and Plating | Beryllium Copper, Gold     |
| Body Material and Plating    | Passivated Stainless Steel |

**Waveguide Interface**

|                           |              |
|---------------------------|--------------|
| Waveguide Type            | WR-34        |
| 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)

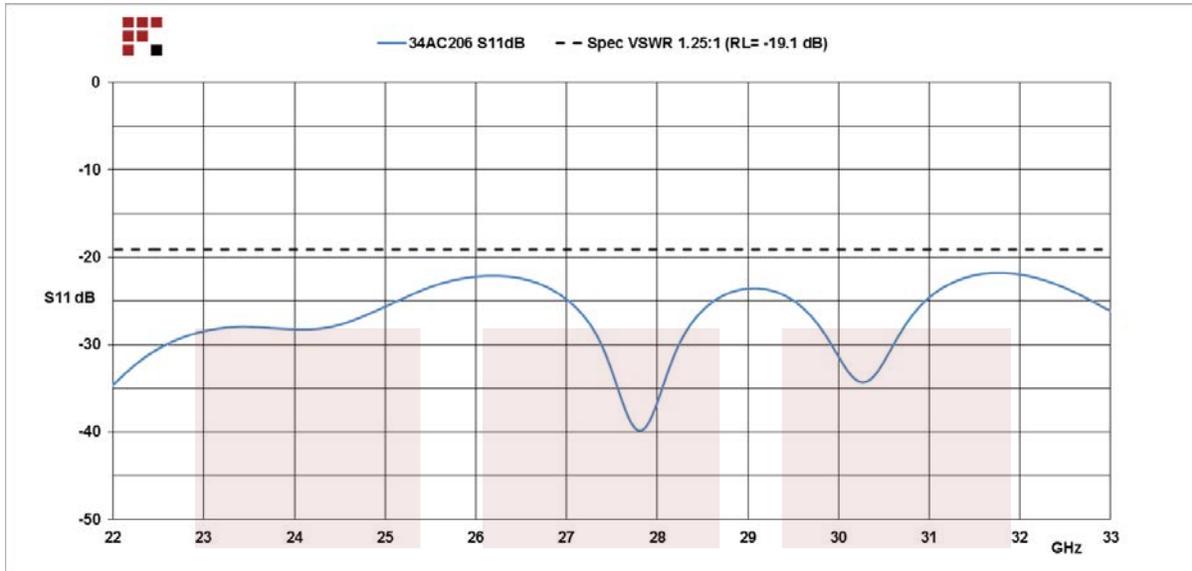
**Plotted and Other Data**

Notes:

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

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**Typical Performance Data**

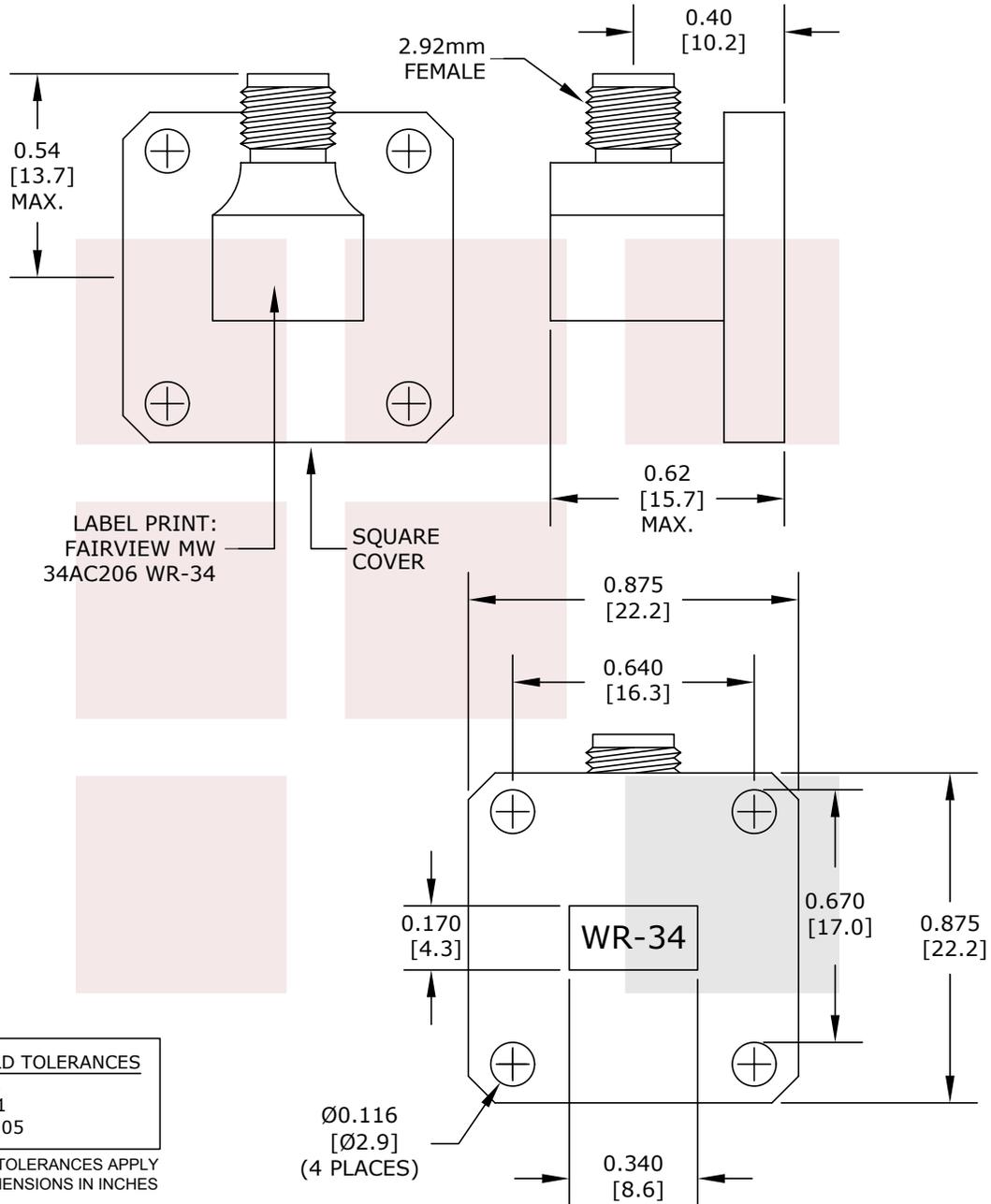


WR-34 to 2.92mm Female Waveguide to Coax Adapter Square Cover Flange With 22 GHz to 33 GHz Frequency Range For K-Ka Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-34 to 2.92mm Female Waveguide to Coax Adapter Square Cover Flange With 22 GHz to 33 GHz Frequency Range For K-Ka Band 34AC206](https://www.fairviewmicrowave.com/wr-34-2.92mm-female-connector-waveguide-coax-adapter-22-33-ghz-34ac206-p.aspx)

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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  
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|          |         |           |       |     |             |
|----------|---------|-----------|-------|-----|-------------|
| DWG NO   | 34AC206 | CAGE CODE | 3FKR5 |     |             |
| CAD FILE | 072116  | SHEET     | SCALE | N/A | SIZE A 3045 |