

WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band

The 28AC206 is a waveguide to coaxial adapter with a frequency range of 26.5 to 40 GHz, operating in the Ka band. This adapter offers a precision tolerance UG-599/U square cover flange and a WR-28 waveguide interface size. 28AC206 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.

Configuration

Waveguide Size	WR-28
Flange	UG-599/U Square Cover
RF Connector	2.92mm Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	26.5		40	GHz
VSWR			1.3:1	

Mechanical Specifications

Size

Length	0.52 in [13.21 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.01676 lbs [7.6 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-28
Flange Type	Square Cover
Flange Designation	UG-599/U
Body Material and Plating	Aluminum

Environmental Specifications

Temperature

Operating Range	-55 to +120 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

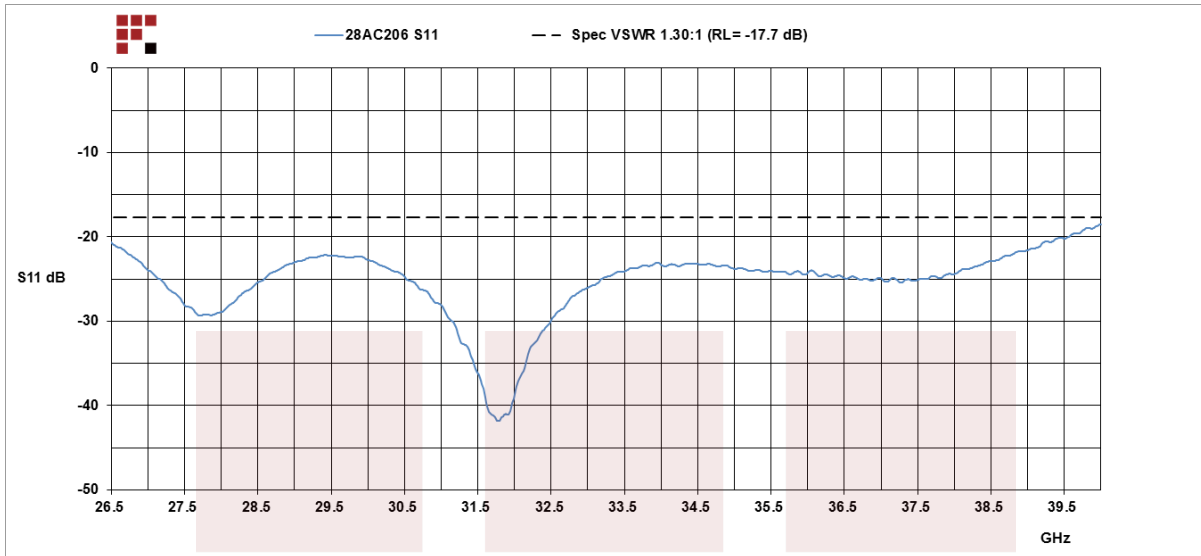


Features:

- Ka Band, 26.5 to 40 GHz Frequency Range
- WR-28 Waveguide Interface with UG-599/U Square Cover Flange
- 2.92mm Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

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Typical Performance Data

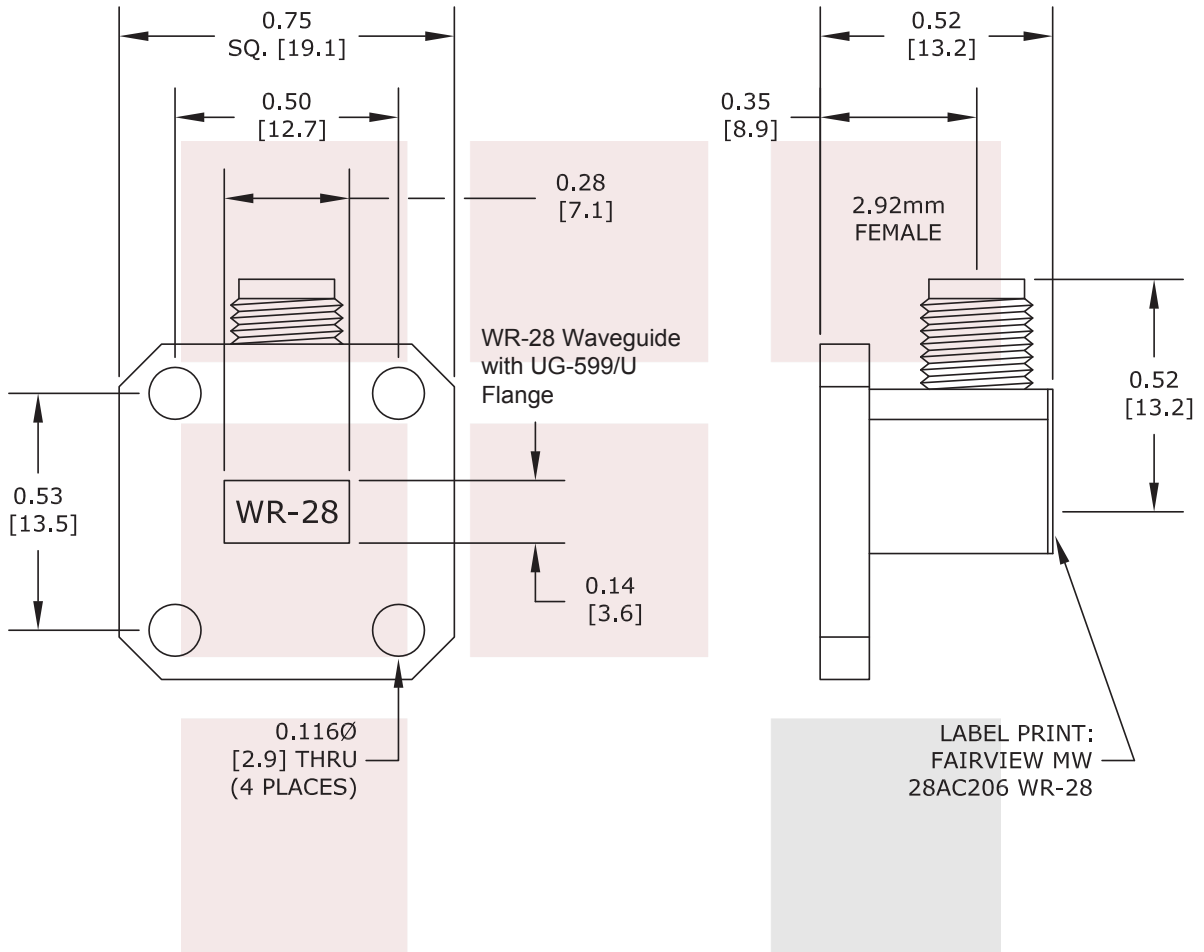


WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band 28AC206](https://www.fairviewmicrowave.com/wr-28-2.92mm-waveguide-coax-adapter-40-ghz-28ac206-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

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TITLE WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band		DWG NO 28AC206		CAGE CODE 3FKR5	
CAD FILE	072616	SHEET	SCALE	N/A	SIZE A 2233