

WR-15 to 1.85mm Female Waveguide to Coax Adapter UG-385/U-Mod Round Cover Flange With 50 GHz to 65 GHz Frequency Range For U-V Band

The 15AC206 is a waveguide to coaxial adapter with a frequency range of 50 to 65 GHz, operating in the U-V band. This adapter offers a precision tolerance UG-385/U-Mod round cover flange and a WR-15 waveguide interface size. 15AC206 is constructed of copper to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a 1.85mm geometry endorsed by the International Electrotechnical Commission (IEC). The 1.85mm female connector mates with commercially available 2.4mm connectors. The package is REACH and RoHS compliant.



Features:

- U-V Band, 50 to 65 GHz Frequency Range
- WR-15 Waveguide Interface with UG-385/U-Mod Round Cover Flange
- 1.85mm Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Configuration

Waveguide Size	WR-15
Flange	UG-385/U-Mod Round Cover
RF Connector	1.85mm Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	50		65	GHz
VSWR			2.2:1	
Insertion Loss		1.2		dB

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50 to 58	58 to 65				GHz
VSWR, Max	2.2:1	1.5:1				

Mechanical Specifications

Size	
Length	1.06 in [26.92 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.04674 lbs [21.2 g]

RF Connector

Connector Type	1.85mm Female
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Passivated Stainless Steel

Waveguide Interface

Waveguide Type	WR-15
Flange Type	Round Cover
Flange Designation	UG-385/U-Mod
Body Material and Plating	Copper

Environmental Specifications

Temperature	
Operating Range	-55 to +120 deg C

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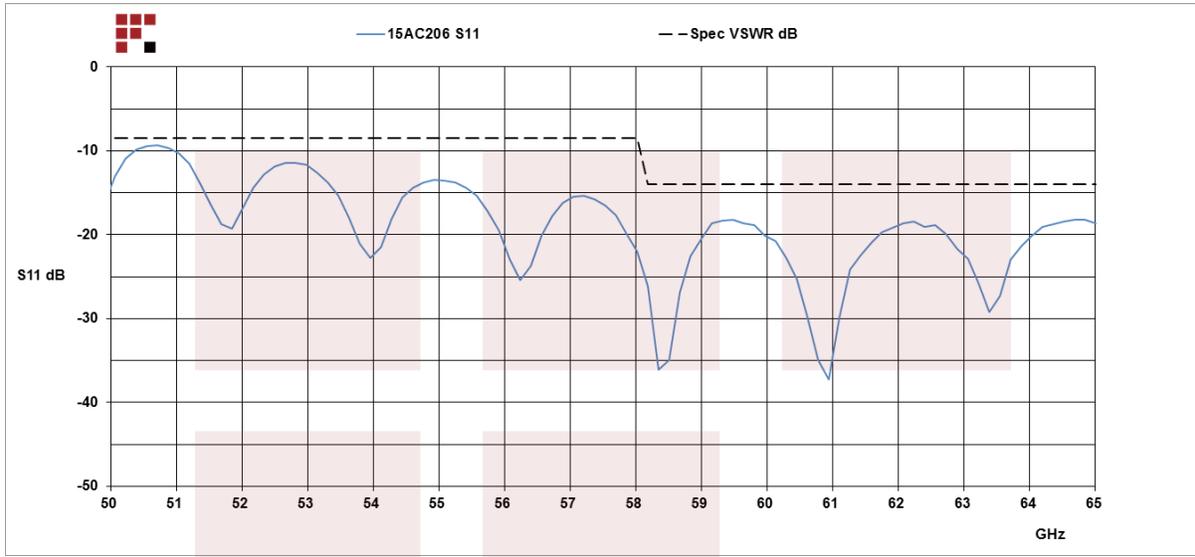
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data

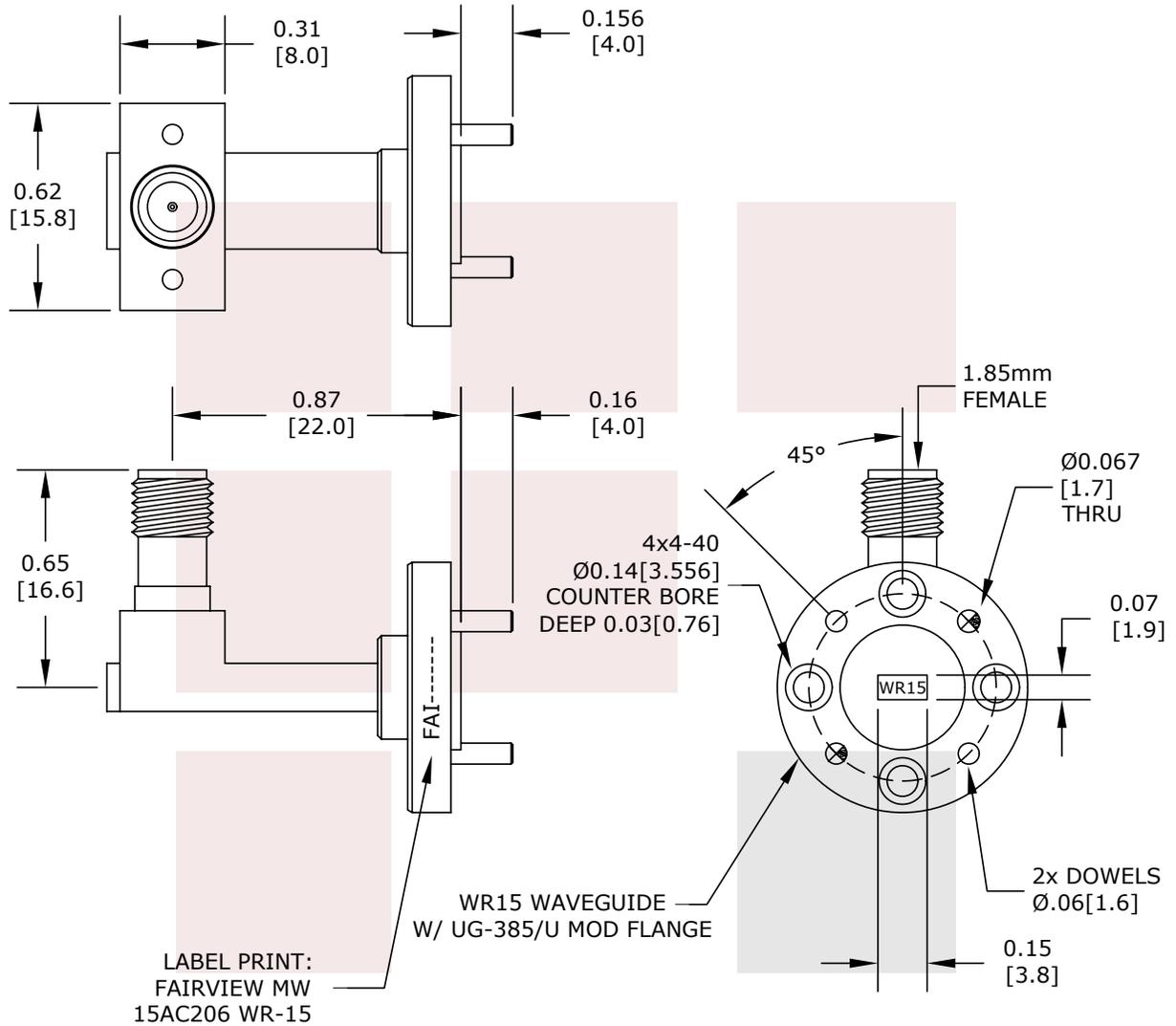


WR-15 to 1.85mm Female Waveguide to Coax Adapter UG-385/U-Mod Round Cover Flange With 50 GHz to 65 GHz Frequency Range For U-V Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-15 to 1.85mm Female Waveguide to Coax Adapter UG-385/U-Mod Round Cover Flange With 50 GHz to 65 GHz Frequency Range For U-V Band 15AC206](#)

URL: <https://www.fairviewmicrowave.com/wr-15-1.85mm-female-connector-waveguide-coax-adapter-50-65-ghz-15ac206-p.aspx>

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TITLE WR-15 to 1.85mm Female Waveguide to Coax Adapter UG-385/U-Mod Round Cover Flange With 50 GHz to 65 GHz Frequency Range For U-V Band		DWG NO 15AC206	CAGE CODE 3FKR5	
CAD FILE	041316	SHEET	SCALE N/A	SIZE A 3045