

WRD-650 to SMA Female Waveguide to Coax Adapter UG Square Cover with 6.5 GHz to 18 GHz in Copper Alloy



FMWCA1117

Features

- 6.5 GHz to 18 GHz Frequency Range
- WRD-650 Double Ridge Waveguide Interface
- UG Square Cover Flange

Applications

- · Test Benches
- Radar
- · Satellite

- · SMA Female RF Interface
- · Comprenhensive waveguide offering also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.
- · Microwave Radio Systems
- Military and Space
- · Communication Systems

Description

The FMWCA1117 is an end launch double ridge waveguide to coaxial adapter operating at a frequency range of 6.5 GHz to 18 GHz. This adapter offers a WRD-650 waveguide interface size coupled with a precision tolerance Square Cover flange. The FMWCA1117 is constructed of copper alloy and painted gray to ensure durability. The coaxial connector offered by this adapter uses an SMA Female connector.

Configuration

Waveguide Size Flange RF Connector Impedance **Body Geometry**

WRD-650 **UG Square Cover** SMA Female 50 Ohms End Launch

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	6.5		18	GHz
VSWR		1.5:1		
Insertion Loss			0.5	dB
Input Power (CW)			50	Watts

Mechanical Specifications

Length 1.36 in [34.54 mm] Width 0.91 in [23.11 mm] Heiaht 1.378 in [35 mm] 1 lbs [453.59 g] Weight

RF Connector

Connector Type **SMA Female**

Waveguide Interface

Waveguide Type WRD-650 Flange Type Square Cover Flange Designation UG Body Material and Plating

Copper Alloy





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Environmental Specifications

Temperature

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

WRD-650 to SMA Female Waveguide to Coax Adapter UG Square Cover with 6.5 GHz to 18 GHz in Copper Alloy 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: WRD-650 to SMA Female Waveguide to Coax Adapter UG Square Cover with 6.5 GHz to 18 GHz in Copper Alloy FMWCA1117

URL: https://www.fairviewmicrowave.com/wrd650-sma-female-end-launch-waveguide-coax-adapter-ug-square-fmwca1117-p.aspx

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