

FMWCA9865 DATA SHEET

WR-112 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating from 7.05 GHz to 10 GHz

The FMWCA9865 is a waveguide to coaxial adapter operating in the H band with a 7.05 to 10 GHz frequency range. This adapter offers a WR-112 waveguide interface size coupled with a precision tolerance Square Type flange. The FMWCA9865 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.

Configuration

Waveguide Size WR-112
Flange Square Type
RF Connector SMA Female
Impedance 50 Ohms
Body Geometry End Launch

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	7.05		10	GHz
VSWR			1.4:1	

Mechanical Specifications

Size

 Length
 1.94 in [49.28 mm]

 Width
 1.88 in [47.75 mm]

 Height
 1.88 in [47.75 mm]

 Weight
 0.3 lbs [136.08 g]

RF Connector

Connector Type SMA Female

Body Material and Plating Passivated Stainless Steel

Waveguide Interface

Waveguide Type WR-112
Flange Type Square Type
Body Material and Plating Aluminum

Environmental Specifications

Temperature

Operating Range -40 to +85 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:

- 7.05 to 10 GHz Frequency Range
- WR-112 Waveguide Interface
- Square Type Flange
- SMA Female RF Interface
- End Launch

Applications:

- Test Benches
- Radar
- Satellite
- Microwave Radio Systems
- · Military and Space
- Communication Systems

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





WR-112 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating from 7.05 GHz to 10 GHz 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-112 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating from 7.05 GHz to 10 GHz FMWCA9865

URL: https://www.fairviewmicrowave.com/wr112-sma-female-end-launch-waveguide-coax-adapter-square-fmwca9865-p.aspx







