

**WR-90 to SMA Female Waveguide to Coax Adapter
 Flange With 8.2 GHz to 12.4 GHz Frequency Range**

Configuration

Waveguide Size WR-90
 RF Connector SMA Female
 Body Geometry Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.6:1	
Input Power (CW)			150	Watts

Mechanical Specifications

Size

Length 1.5 in [38.1 mm]
 Width 1.64 in [41.66 mm]
 Height 1.64 in [41.66 mm]
 Weight 0.08333 lbs [37.8 g]

RF Connector

Connector Type SMA Female
 Specification 30μ" Minimum
 Contact Material and Plating Beryllium Copper, Gold
 Body Material and Plating Passivated Stainless Steel

Waveguide Interface

Waveguide Type WR-90
 Body Material and Plating Aluminum

Environmental Specifications

Temperature

Operating Range -55 to 120 deg C

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant
 REACH Compliant 12/17/2015

Plotted and Other Data

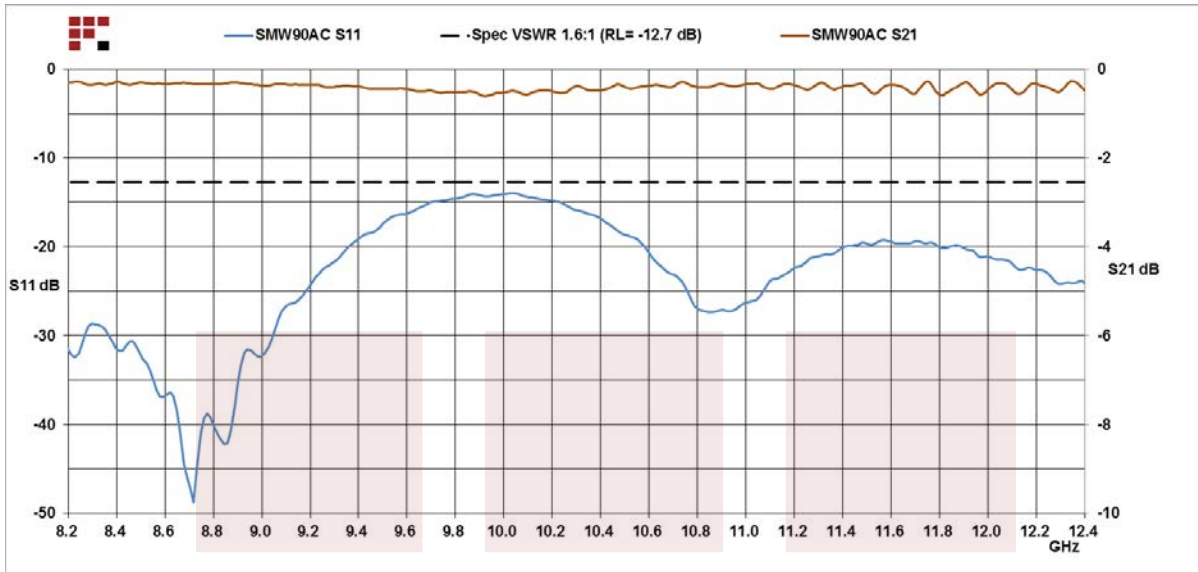
Notes:

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



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Typical Performance Data

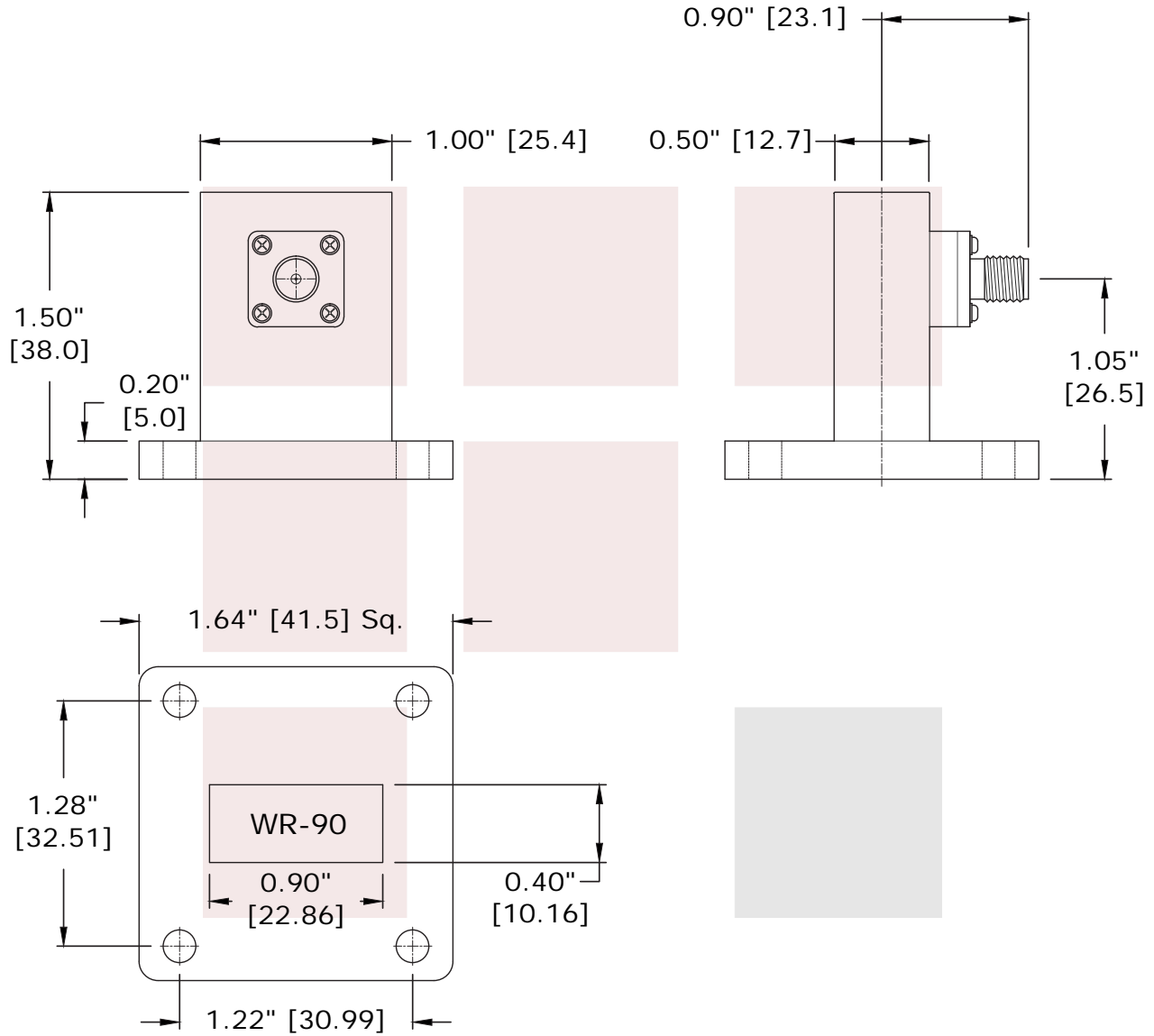


WR-90 to SMA Female Waveguide to Coax Adapter Flange With 8.2 GHz to 12.4 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-90 to SMA Female Waveguide to Coax Adapter Flange With 8.2 GHz to 12.4 GHz Frequency Range SMW90AC](http://www.fairviewmicrowave.com/wr-90-sma-female-connector-waveguide-coax-adapter-8.2-12.4-ghz-smw90ac-p.aspx)

URL: <http://www.fairviewmicrowave.com/wr-90-sma-female-connector-waveguide-coax-adapter-8.2-12.4-ghz-smw90ac-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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TITLE WR-90 to SMA Female Waveguide to Coax Adapter Flange With 8.2 GHz to 12.4 GHz Frequency Range		DWG NO SMW90AC		CAGE CODE 3FKR5	
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568