

WR-112 Waveguide Section 12 Inch Length Straight Using UG-51/U Flange With a 7.05 GHz to 10 GHz Frequency Range in Commercial Grade

Electrical Specifications*

Description	Min	Typ	Max	Units
Frequency Range	7.05		10	GHz
VSWR			1.03:1	
Insertion Loss			0.1 [0.33]	dB/ft [dB/m]

* Values at 25°C, sea level

Mechanical Specifications

Waveguide Size: WR-112
 Waveguide Design: Commercial Grade
 Section Length: 12 in [304.8 mm]

Flange 1

Interface: UG-51/U
 Material: Copper Alloy
 Plating: Paint

Waveguide

Interface: WR-112
 Material: Copper Alloy
 Plating: Paint

Flange 2

Interface: UG-51/U
 Material: Copper Alloy
 Plating: Paint

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

Plotted and Other Data

Notes:
 • Values at 25 °C, sea level



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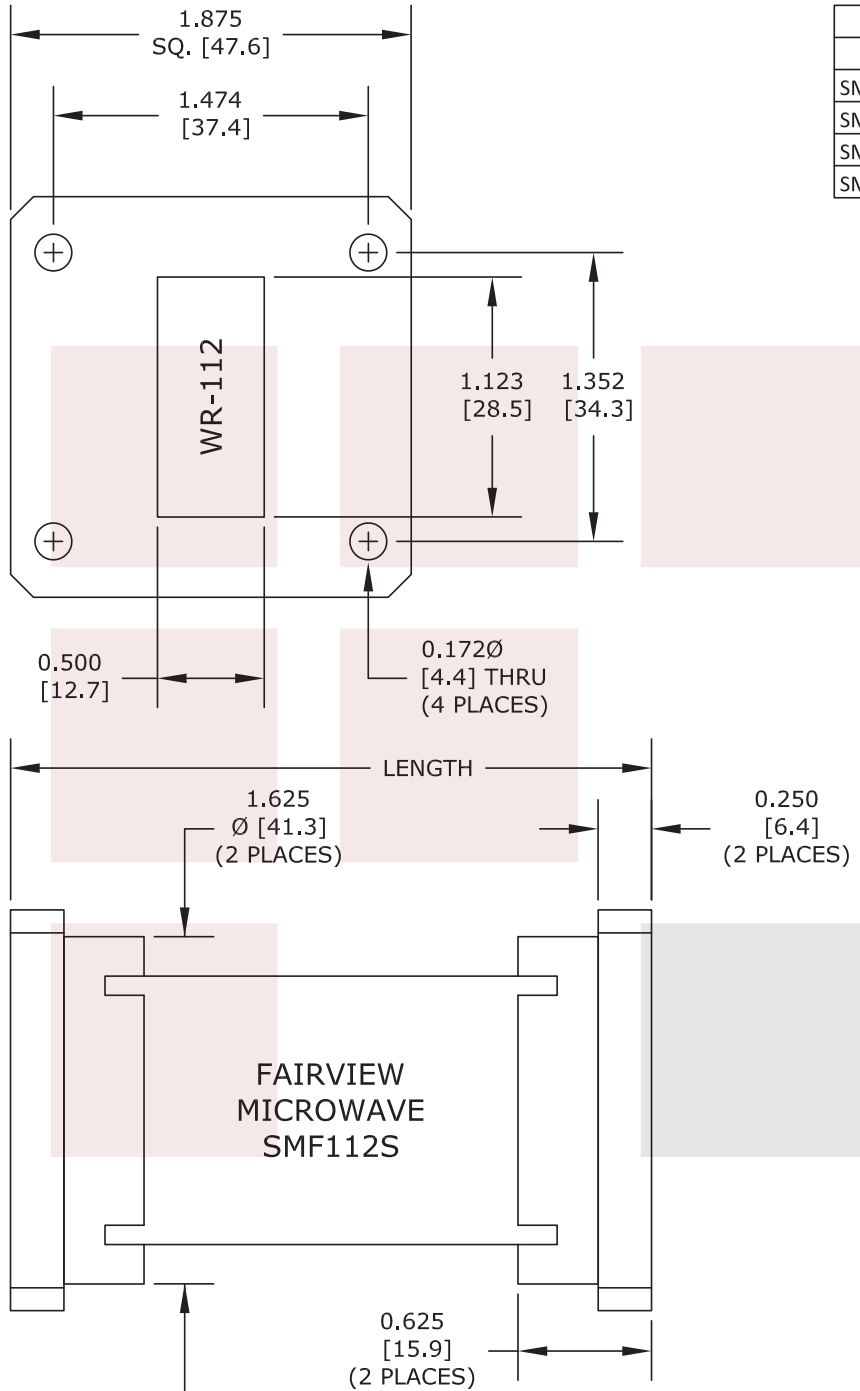
WR-112 Waveguide Section 12 Inch Length Straight Using UG-51/U Flange With a 7.05 GHz to 10 GHz Frequency Range in Commercial Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-112 Waveguide Section 12 Inch Length Straight Using UG-51/U Flange With a 7.05 GHz to 10 GHz Frequency Range in Commercial Grade SMF112S-12](#)

URL: <http://www.fairviewmicrowave.com/wr-112-waveguide-section-ug-51-flange-7.05-10-ghz-smf112s-12-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.





WR-112	
PN	Length
SMF112S-3	3 in.
SMF112S-6	6 in.
SMF112S-9	9 in.
SMF112S-12	12 in.

FAIRVIEW MICROWAVE INC.
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NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

TITLE
 WR-112 Waveguide Section 12 Inch Length Straight
 Using UG-51/U Flange With a 7.05 GHz to 10 GHz
 Frequency Range in Commercial Grade

DWG NO	SMF112S		CAGE CODE		
			3FKR5		
CAD FILE	062414	SHEET	SCALE	N/A	SIZE A
					2233