

WR-28 Bandpass Waveguide Filter With a 30 GHz to 31 GHz Pass Band

Electrical Specifications*

Description	Min	Typ	Max	Units
Passband Freq. Range	30	-	31	GHz
Insertion Loss			1.5	dB
Passband VSWR			1.4:1	
Center Passband VSWR		1.4		
Rejection at 29 GHz	60			dB
Rejection at 31 GHz	60			dB

(Values at 25°C, sea level)

Mechanical Specifications

Size

Length	2.03 in [51.56 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.054 lbs [24.49 g]

Flange 1

Type	WR-28
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Flange 2

Type	WR-28
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

WR-28 Bandpass Waveguide Filter With a 30 GHz to 31 GHz Pass 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-28 Bandpass Waveguide Filter With a 30 GHz to 31 GHz Pass Band SFWR28-0333](#)

URL: <https://www.fairviewmicrowave.com/wr-28-bandpass-waveguide-filter-30-31-ghz-pass-band-sfwr28-0333-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.

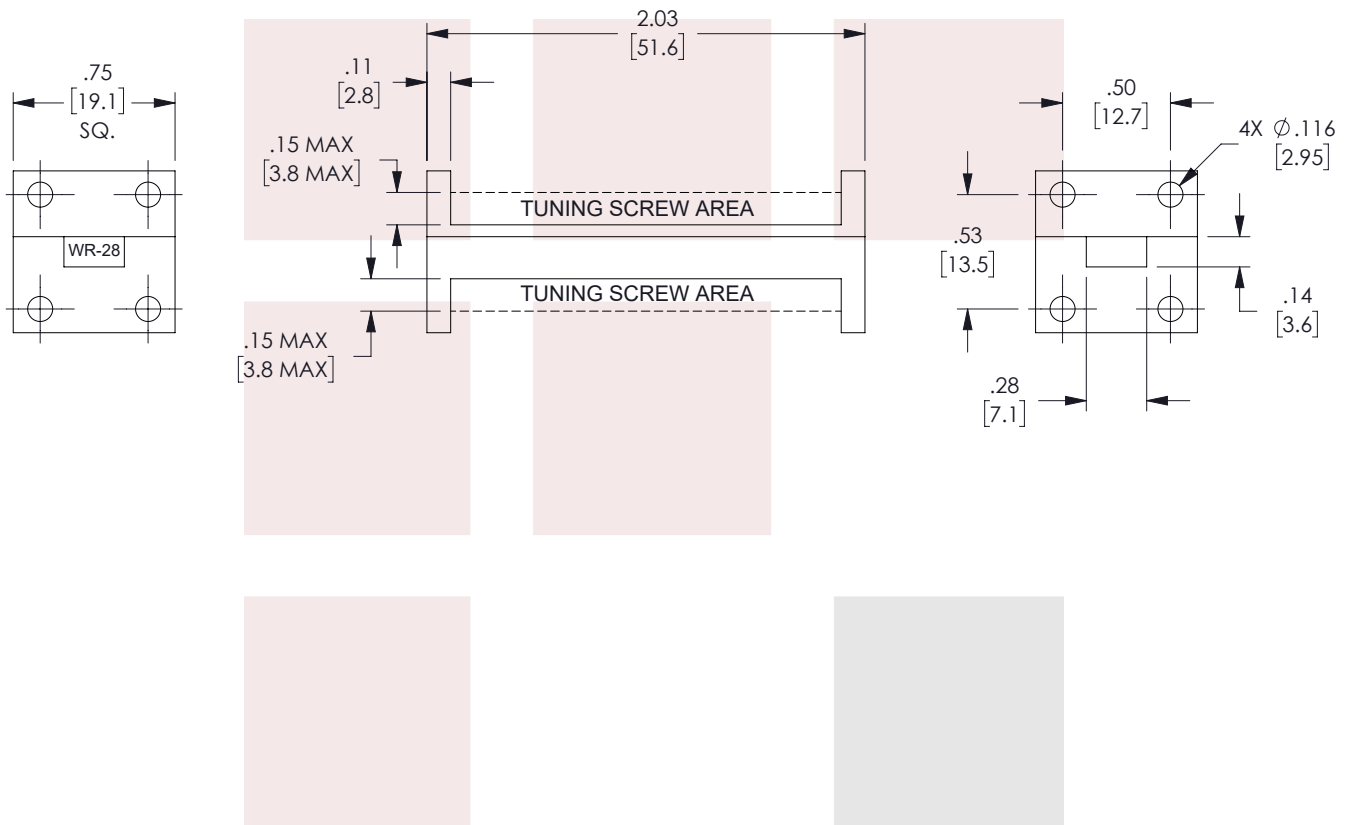


Features:

- Passband: Band Pass
- Flange 1: WR-28
- Flange 2: WR-28

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	UPDATE DIMENSIONS	02/02/2022	DRIVAS



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TITLE

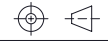
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY DMAY	ITEM NO. SFWR28-0333	REV B
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