



TECHNICAL DATA SHEET

PE-W62S002-12

Pasternack's instrumentation grade waveguide sections are constructed of a high quality oxygen free hard copper with high precision mechanical tolerances as tight as ±0.001" that ensures repeatable and consistent RF performance. Our commercial and instrumentation grade waveguide sections range in size from WR-12 to WR-137 and include grooved and non-grooved flanged designs. Standard lengths of Pasternack waveguide sections are offered from 3" to 12" in 3" increments and each waveguide section is labeled for easy identification. Custom lengths are available upon request. Our commercial grade waveguide sections are painted blue and our instrumentation grade versions are hard gold plated over a copper flash.

- WR-12 to WR-137 Waveguide Sections
- Grooved and Non-Grooved Flange Designs
- Available for frequency ranges between 5.8 GHz to 90 GHz
- · Comprehensive waveguide offering also includes E-Bends, H-Bends, Waveguide to Coax Adapters, Filters, Terminations, and more.
- High Precision Tolerance as Tight as ±0.001"

Electrical Specifications

Minimum	Typical	Maximum	Units
12.4		18	GHz
		1.06:1	
		0.11 [0.36]	dB/ft [dB/m]
			12.4 18 1.06:1

Mechanical Specifications

Waveguide Size Waveguide Design Section Length		WR-62 Instrumentation Grade 12 in [304.8 mm]		
Description	Flange 1	Waveguide	Flange 2	
Interface	UG-419/U	WR-62	UG-419/U	
Material	Oxygen Free Hard Copper	Oxygen Free Hard Copper	Oxygen Free Hard Copper	
Plating	Hard Gold over Copper Flash	Hard Gold over Copper Flash	Hard Gold over Copper Flash	
Color	Gold	Gold	Gold	

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

RoHS Compliant

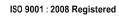
Notes:

Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-62 Instrumentation Grade Straight Waveguide Section 12 Inch Length with UG-419/U Flange Operating from 12.4 GHz to 18 GHz PE-W62S002-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com









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Pow	ver D	ata										
PNR	File	Trace/Ch	an Respo	nse Mark	er/Analysis	Stimulus	Utility F	lelp				_ 8 ×
(Chan	nel 1 P	E-W62S0	02-12 V	SWR		Stop	Frequen	cy 18.0	0000000) GHz 🗧	Display Items
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1	0.00											Title
												Trace Status
	9.00											ON off
	8.00											Freq, Stim ON off
	7.00											Marker
	7.00											Display
	6.00											Grid
	5.00											SOLID dotted
	4.00											
	3.00											
												Return
	2.00											
3	_ >	Ch 1 Avg	t 12.4000	GHz —		<u> </u>				Ston 18	.0000 GHz	Favorites
_	ont.	CH 1: S			rt	Avg=50	Smooth=4.	48%		0.00 10		LCL

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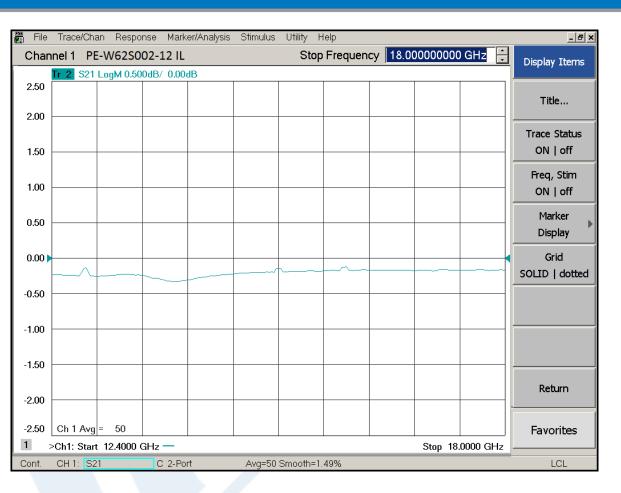




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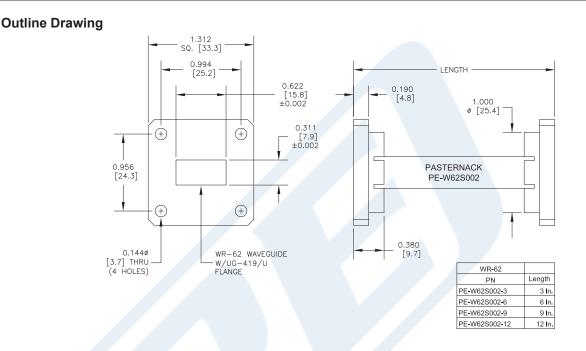




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WR-62 Instrumentation Grade Straight Waveguide Section 12 Inch Length with UG-419/U Flange Operating from 12.4 GHz to 18 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/wr-62-straight-waveguide-section-ug-419-12.4-18-ghz-pe-w62s002-12-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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