



90 Watts High Power WR-90 Waveguide Load
8.2 GHz to 12.4 GHz, Aluminum

Waveguide Terminations Technical Data Sheet

PE6824

Features

- WR-90
- 8.2 to 12.4 GHz
- 1.07:1 Maximum VSWR
- 90 Watt Average Power Handling (CW)

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems

Description

Pasternack's PE6824 is part of our line of waveguide terminations (or waveguide loads) which are in stock and available to ship same-day. Waveguide loads are designed to absorb virtually all applied power, ensuring a low VSWR. Our PE6824 offers excellent VSWR of 1.07:1 maximum. This WR-90 waveguide termination uses a square cover flange and offers CW power handling of up to 90 Watts.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.07:1	
Input Power (CW)			90	Watts
Input Power (Peak)			90	kWatts

Mechanical Specifications

Size

Length	6 in [152.4 mm]
Width/Dia.	1.63 in [41.4 mm]
Height	1.63 in [41.4 mm]
Weight	0.869 lbs [394.17 g]

Description	Flange	Waveguide
Designation	None	WR-90
Type	Square Cover	
Material		Aluminum

Environmental Specifications

Temperature

Operating Range	-54 to 85 deg C
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [90 Watts High Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz, Aluminum PE6824](#)



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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

90 Watts High Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz, Aluminum from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [90 Watts High Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz, Aluminum PE6824](#)

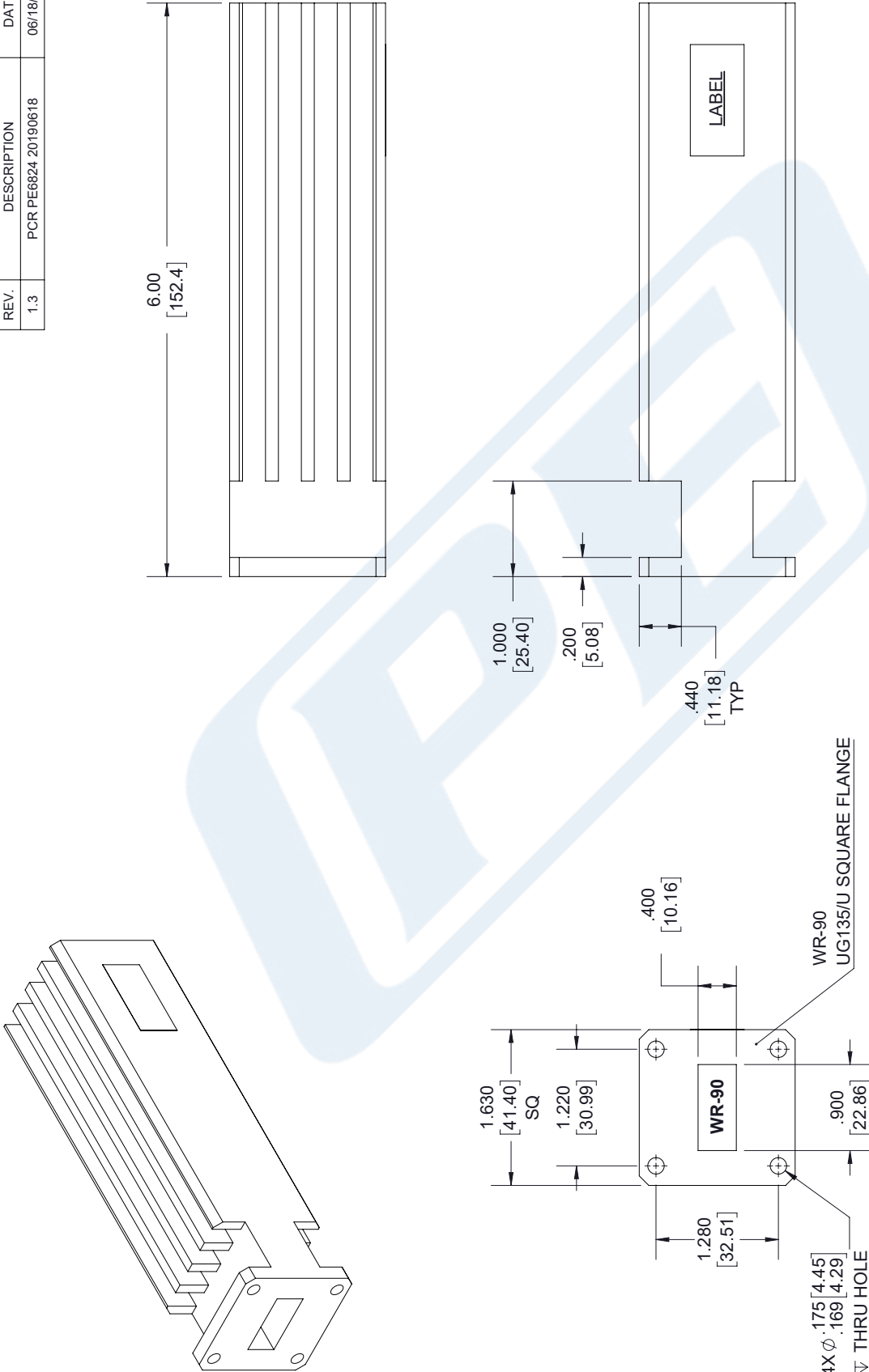
URL: <https://www.pasternack.com/medium-power-waveguide-termination-frequency-range-820-1240-ghz-pe6824-p.aspx>

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.

PE6824 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.3	PCR PE6824 20190618	06/18/19	J.GARCIA



LABEL:

PASTERNAK
PE6824
YYWW

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
XX±.01 [.25]	±.005
XXX±.005 [.13]	±.001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITI brand	
Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com	
SIZE	A
CAGE	53919
DRAWN BY	K.DANG
PART NUMBER	PE6824
REV	1.3

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SHEET	1 OF 1
SCALE	N/A

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