



## 2 Watts Low Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz

### Waveguide Terminations Technical Data Sheet

**PE6806**

#### Features

- WR-90
- 8.2 to 12.4 GHz
- 1.20:1 Maximum VSWR
- 2 Watt Average Power Handling (CW)

#### Applications

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

#### Description

Pasternack's PE6806 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 PE6806 offers excellent VSWR of 1.20:1 maximum. This WR-90 waveguide termination uses a UG-135/U square cover flange and offers CW power handling of up to 2 Watts.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.2:1	
Input Power (CW)			2	Watts

#### Mechanical Specifications

##### Size

Length	1 in [25.4 mm]
Width/Dia.	1.63 in [41.4 mm]
Height	1.63 in [41.4 mm]
Weight	0.132 lbs [59.87 g]

Description	Flange	Waveguide
Designation	UG-135/U	WR-90
Type	Square Cover	
Material		Aluminum

#### Environmental Specifications

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watts Low Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz PE6806](#)



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

**Plotted and Other Data**

Notes:

2 Watts Low Power WR-90 Waveguide Load 8.2 GHz to 12.4 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.

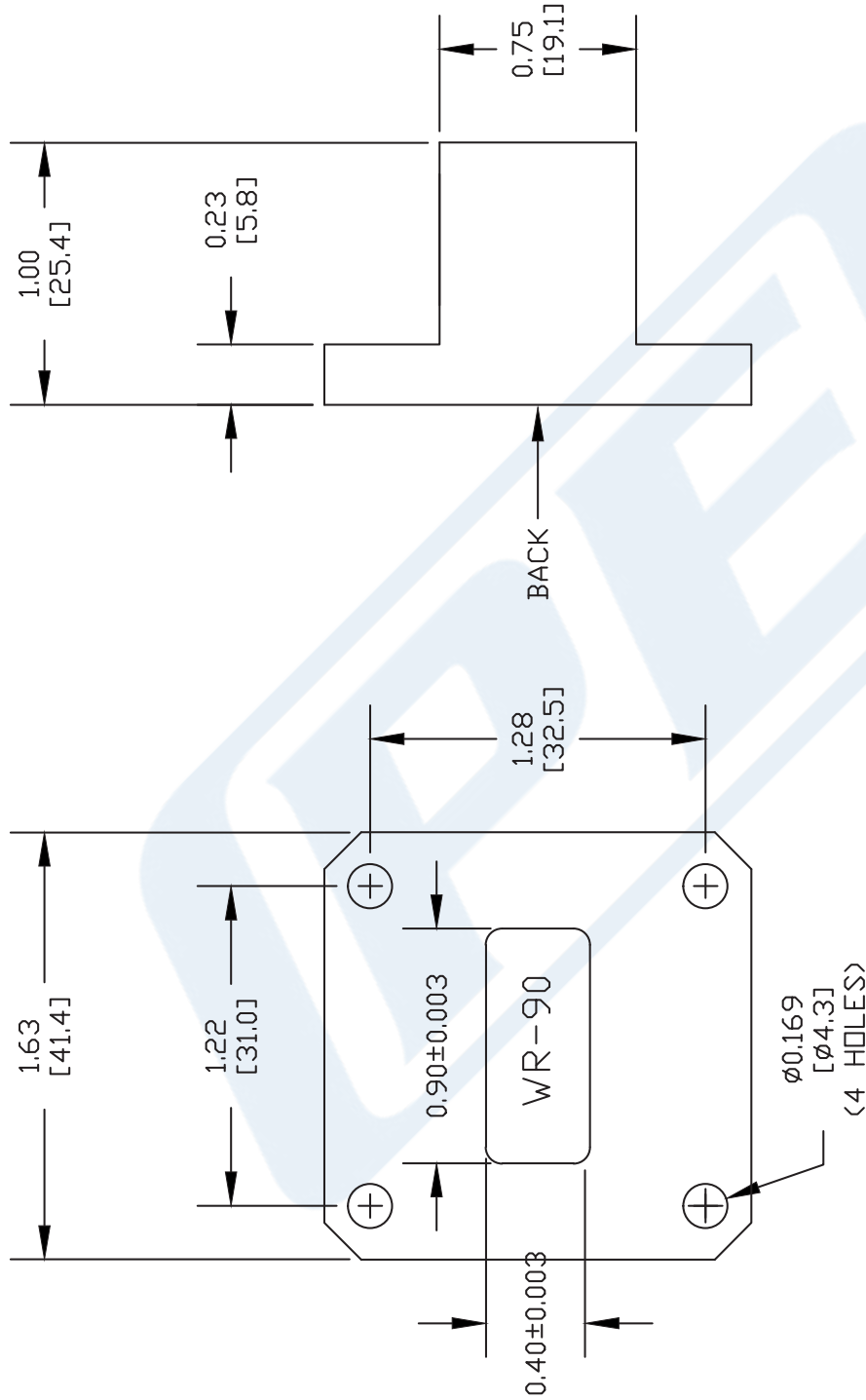
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watts Low Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz PE6806](#)

URL: <https://www.pasternack.com/waveguide-termination-frequency-range-820-1240-ghz-pe6806-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.

# PE6806 CAD Drawing

2 Watts Low Power WR-90 Waveguide Load 8.2 GHz to 12.4 GHz



BACK VIEW

DWG TITLE

**PE6806**

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].

FSCM NO. 53919

CAD FILE 021304

SCALE N/A

SIZE A

XXXX

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