



0.4 Watts Low Power Instrumentation Grade WR-10 Waveguide
Load 75 GHz to 110 GHz, Oxygen Free Hard Copper

Waveguide Terminations Technical Data Sheet

PEW10TR0001

Features

- WR-10 Waveguide
- 75 to 110 GHz
- UG-387/U Flange
- 1.06:1 Maximum VSWR
- 0.4 Watts Max Power Handling

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production Systems

Description

The PEW10TR0001 is a waveguide termination (load) that is part of a family of high performance loads with round flange per MIL-DTL-85. They are designed so that virtually all the applied power is absorbed, thus assuring a low VSWR. These standard terminations, offered in the Ka through W waveguide bands can dissipate 0.4 to 6 Watts of power depending on the specific band.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	75		110	GHz
VSWR			1.06:1	
Input Power (CW)			0.4	Watts

Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Weight	0.031 lbs [14.06 g]

Description	Flange	Waveguide
Designation	UG-387/U	WR-10
Type	Round Cover	
Material	Brass	Oxygen Free Hard Copper
Plating	Gold	Gold

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

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.4 Watts Low Power Instrumentation Grade WR-10 Waveguide Load 75 GHz to 110 GHz, Oxygen Free Hard Copper PEW10TR0001](#)



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0.4 Watts Low Power Instrumentation Grade WR-10 Waveguide Load 75 GHz to 110 GHz, Oxygen Free Hard Copper 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: [0.4 Watts Low Power Instrumentation Grade WR-10 Waveguide Load 75 GHz to 110 GHz, Oxygen Free Hard Copper PEW10TR0001](https://www.pasternack.com/0.4-watts-wr-10-rf-load-75-110-ghz-instrumentation-grade-pew10tr0001-p.aspx)

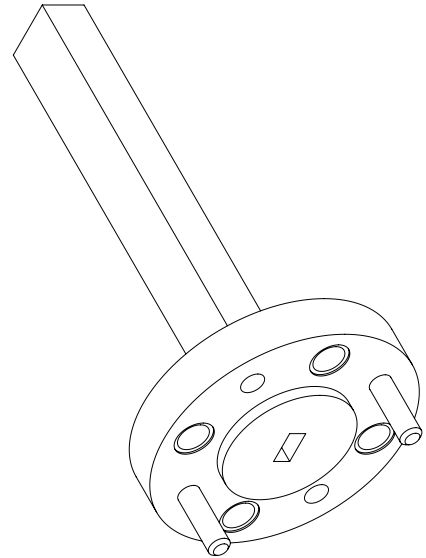
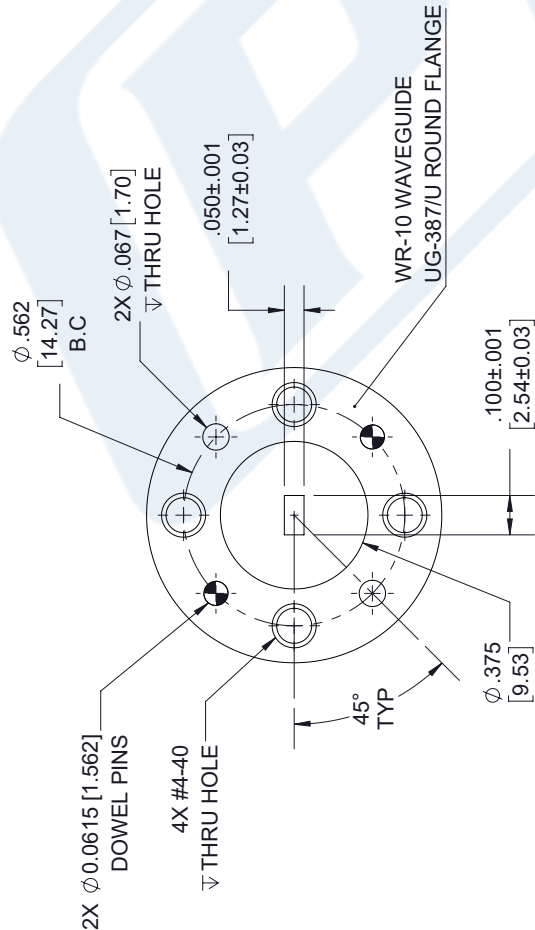
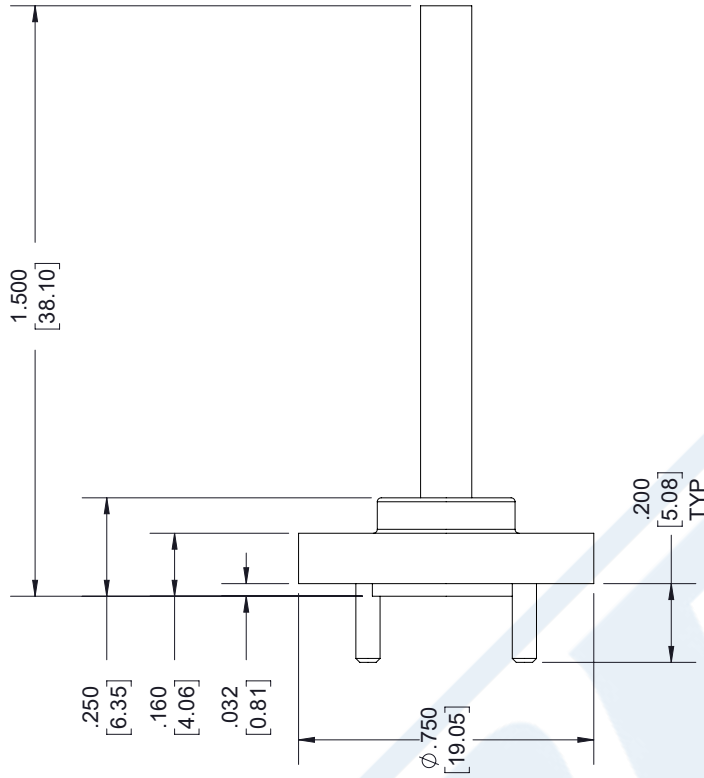
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PEW10TR0001 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/30/19	S. PONG



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS			
TOLERANCES:			
X $\pm$.2	[5.08]	FRACTIONS	
.XX $\pm$.01	[.25]		$\pm 1/32$
.XXX $\pm$.005	[.13]	ANGLES $\pm 1^\circ$	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
THIRD-ANGLE PROJECTION			

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SIZE	CAGE	DRAWN BY	PART NUMBER
A	53919	K.DANG	PEW10TR0001
REV			A

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SCALE	N/A		

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