



0 to 180 Degree WR-22 Waveguide Phase Shifter  
33 GHz to 50 GHz, With a UG-383/U Round Cover

## Waveguide Phase Shifters Technical Data Sheet

PE-W22PS1001

### Features

- WR-22
- 33 to 50 GHz
- UG-383/U Flange
- 1 dB Maximum Insertion Loss
- 1 Watt Average Power Handling
- 0 to 180 Degree Phase Shift Over the Full Band

### Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization

### Description

The PE-W22PS1001 is a waveguide variable phase shifter that is part of a family of high performance phase shifters with a round flange per MIL-DTL-85. These phase shifters are built loss. These standard terminations are offered in the Ka th equipped with micrometer, which allows fine control resulti shifters are typically used in the test setups and prototy

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	33		50	GHz
Phase Shift		0 to 180		Degrees
Insertion Loss			1	dB
Input Power (CW)			1	Watts

### Mechanical Specifications

#### Size

Length	3.5 in [ 88.9 mm]
Width/Dia.	1 in [ 25.4 mm]
Height	2.29 in [ 58.17 mm]
Weight	0.413 lbs [ 187.33 g]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-383/U	WR-22	UG-383/U
Material	Brass	Brass	Brass
Plating	Gold	Gold	Gold
Plating Specification	ASTMB488	ASTMB488	ASTMB488
Finish	Gold	Gold	Gold

Click the following link (or enter part number in "SEARCH inventory and clear filters" search bar): [WR-22 Waveguide Phase Shifter Round Cover PE-W22PS1001](#)





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PE-W22PS1001

0 to 180 Degree WR-22 Waveguide Phase Shifter, From 33 GHz  
Pasternack Enterprises has same day shipment for waveguide products maintain a 99.4% availability. and are part of

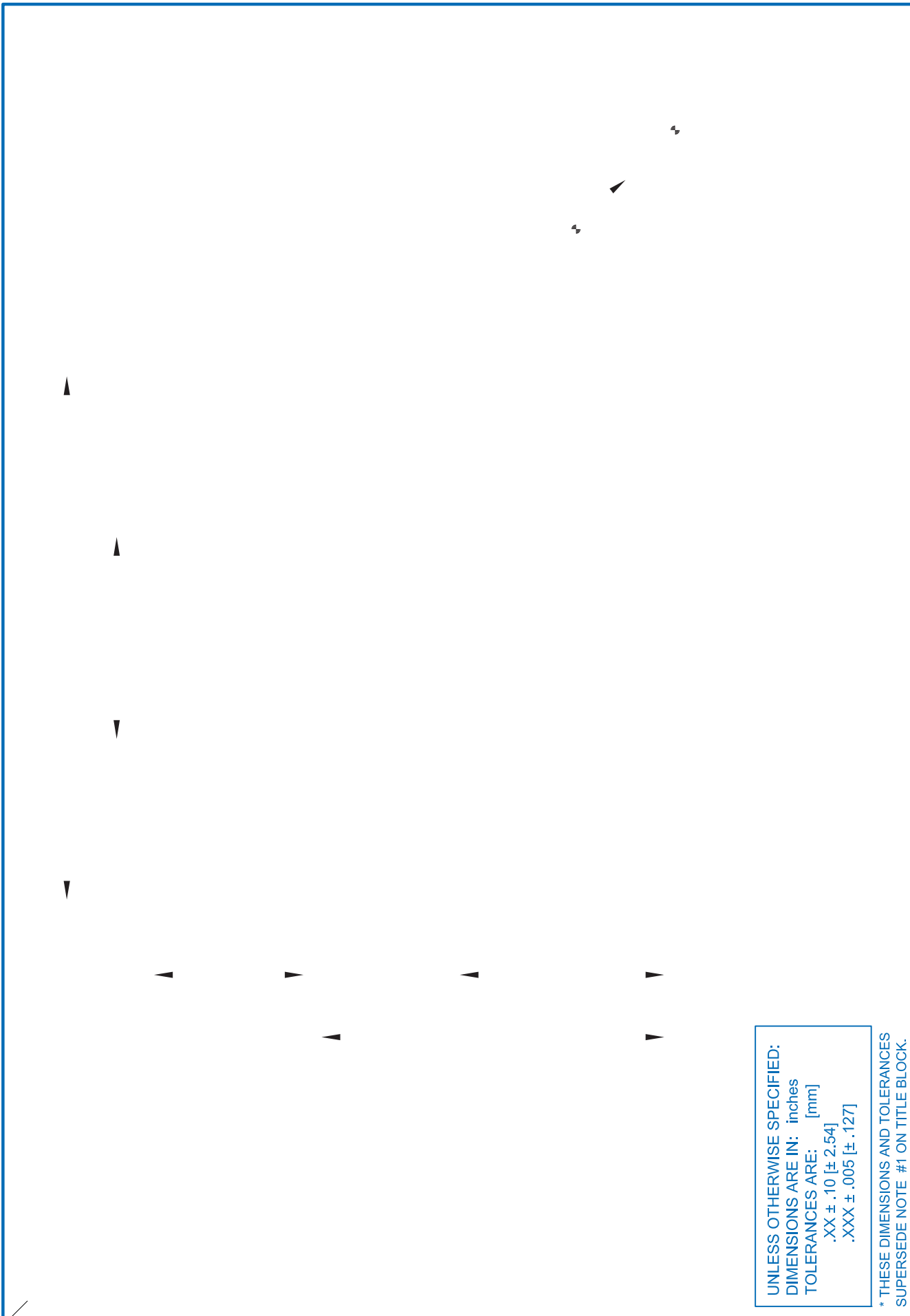
Click the following link (or enter part number in "SEARCH"  
inventory and order) to view details: [WR-22 Waveguide Phase Shifter,  
Round Cover PE-W22PS1001](https://www.pasternack.com/0-180-wr22-waveguide-phase-shifter-round-cover-pe-w22ps1001)

URL: <https://www.pasternack.com/0-180-wr22-waveguide-phase-shifter-round-cover-pe-w22ps1001>

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.

# PE-W22PS1001 CAD Drawing

0 to 180 Degree WR-22 Waveguide Phase Shift  
to 50 GHz, With a UG-383/U Round Cover



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN: inches  
TOLERANCES ARE: [mm]  
.XX ± .10 [± 2.54]  
.XXX ± .005 [± .127]

\* THESE DIMENSIONS AND TOLERANCES  
SUPERSEDE NOTE #1 ON TITLE BLOCK.

DWG TITLE		FSCM NO. 53919	
<b>PE-W22PS1001</b>		CAD FILE	121815
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].		SCALE	N/A
		SIZE	A
			2233