



Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector

Phase Shifters and Trimmers Technical Data Sheet

PE82P5013

Features

- Phase Tuning Range: 0 to 480 degrees
- Rotary Dial Design for Continuous Adjustment
- Frequency Range from DC to 8GHz
- N-Type Female Connectorized Design
- Max VSWR 1.5:1
- Max Power Rating: 100 Watts (CW)
- Insertion Loss: 1.25 dB Max

Applications

- Test & Measurements
- Radar Development
- Military Communications Systems
- Phase Array Antenna System
- Satellite Communications

Description

Pasternack's PE82P5013 is a phase shifter that has phase adjustment range of 60 degrees per GHz with precision rotary dial design for controllable phase adjustment across a frequency range from 0 to 8GHz. With N-Type female connectors, this RF phase shifter design is tried and true technology that offers exceptional RF performance characteristics that include 1.25 dB maximum insertion loss and a maximum VSWR of 1.5:1. Phase shifters are part of Pasternack's comprehensive RF passive product offerings which are available in stock and ready for same-day shipment.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Phase Shift	0		480	Degrees
Phase Adjustment	0		60	Deg/GHz
VSWR			1.5:1	
Insertion Loss			1.25	dB
Input Power, CW			100	Watts
Input Power, Peak 5µs pulse, 1% duty cycle			5	kWatts

Mechanical Specifications

Size

Length	7.87 in [199.9 mm]
Width/Diameter	2.99 in [75.95 mm]
Height	1.2 in [30.48 mm]
Weight	1.08 lbs [489.88 g]
Body Material and Plating	Aluminum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector PE82P5013](#)



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Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature

Operating Range	-10 to 50 deg C
Storage Range	-40 to 70 deg C

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

Plotted and Other Data

Notes:

Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector 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.

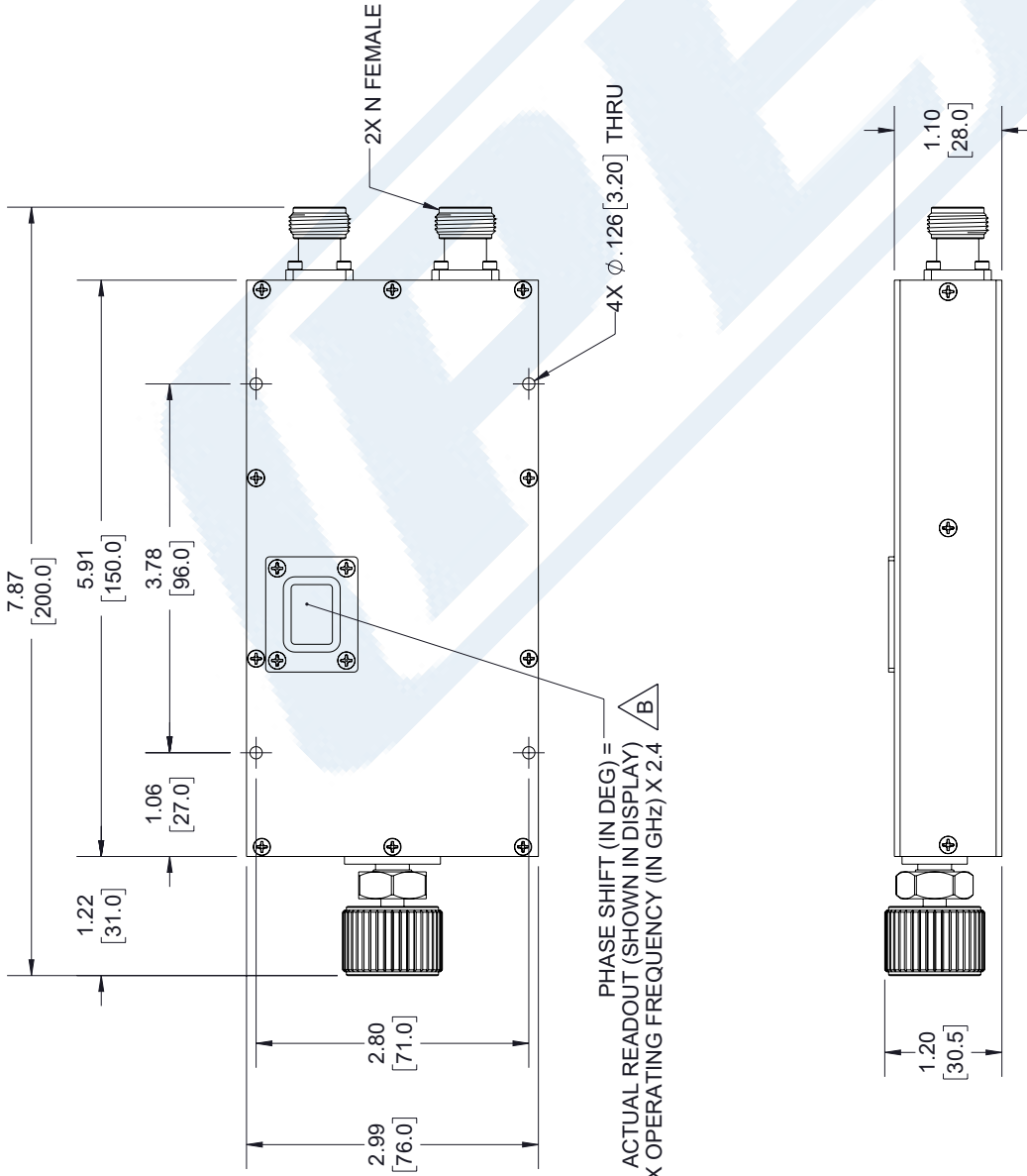
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URL: <https://www.pasternack.com/adjustable-phase-shifter-8-ghz-60-deg-per-ghz-n-pe82p5013-p.aspx>

PE82P5013 CAD Drawing

Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE82P5004 20220908	11/07/2022	S. PONG



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> <td>± 1/32</td> </tr> <tr> <td>.XX = ±.02</td> <td>[.51]</td> <td>ANGLES ± 1°</td> <td></td> </tr> <tr> <td>.XXX = ±.005</td> <td>[.13]</td> <td>CABLE LENGTH (L) TOLERANCES:</td> <td></td> </tr> <tr> <td>L ≤ 12</td> <td>[305]</td> <td>L ≤ 60</td> <td>[1524]</td> </tr> <tr> <td>60</td> <td>[1524]</td> <td>L ≤ 120</td> <td>[3048]</td> </tr> <tr> <td>120</td> <td>[3048]</td> <td>L ≤ 300</td> <td>[7620]</td> </tr> <tr> <td>300</td> <td>[7620]</td> <td>L ≤ 600</td> <td>[15240]</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	.X = ±.2	[5.08]	FRACTIONS	± 1/32	.XX = ±.02	[.51]	ANGLES ± 1°		.XXX = ±.005	[.13]	CABLE LENGTH (L) TOLERANCES:		L ≤ 12	[305]	L ≤ 60	[1524]	60	[1524]	L ≤ 120	[3048]	120	[3048]	L ≤ 300	[7620]	300	[7620]	L ≤ 600	[15240]	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
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<p>PE PASTERNAK an INFINITI brand</p> <p>Pasternack Enterprises, Inc. P. O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p>	<p>ITEM NO. PE82P5013</p> <p>SCALE N/A</p> <p>REV B</p>																												

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