

Adjustable Phase Shifter, DC to 4GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector

Phase Shifters and Trimmers Technical Data Sheet

PE82P5015

Features

- Phase Tuning Range: 0 to 360 degrees
- Rotary Dial Design for Continuous Adjustment
- Frequency Range from DC to 4GHz
- N-Type Female Connectorized Design
- Max VSWR 1.4:1
- Max Power Rating: 100 Watts (CW)
- Insertion Loss: 1.2 dB Max

Applications

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

Description

Pasternack's PE82P5015 is a phase shifter that has phase adjustment range of 90 degrees per GHz with precision rotary dial design for controllable phase adjustment across a frequency range from 0 to 4GHz. With N-Type female connectors, this RF phase shifter design is tried and true technology that offers exceptional RF performance characteristics that include 1.2 dB maximum insertion loss and a maximum VSWR of 1.4:1. Phase shifters are part of Pasternack's comprehensive RF passive product offerings which are available in stock and ready for same-day shipment.

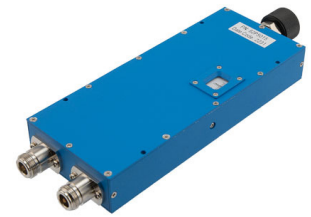
Electrical Specifications (Values at +25° C, Sea Level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		50		Ohms
Phase Shift	0		360	Degrees
Phase Adjustment	0		90	Deg/GHz
Input VSWR			1.4:1	
Insertion Loss			1.2	dB
Input Power, CW			100	Watts
Input Power, Peak			5	kWatts
5μs pulse, 2% duty cycle				

Mechanical Specifications

Size	
Length	9.29 in [235.97 mm]
Width/Diameter	2.99 in [75.95 mm]
Height	1.2 in [30.48 mm]
Weight	2.6 lbs [1.18 kg]
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 4GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector PE82P5015](#)



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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:

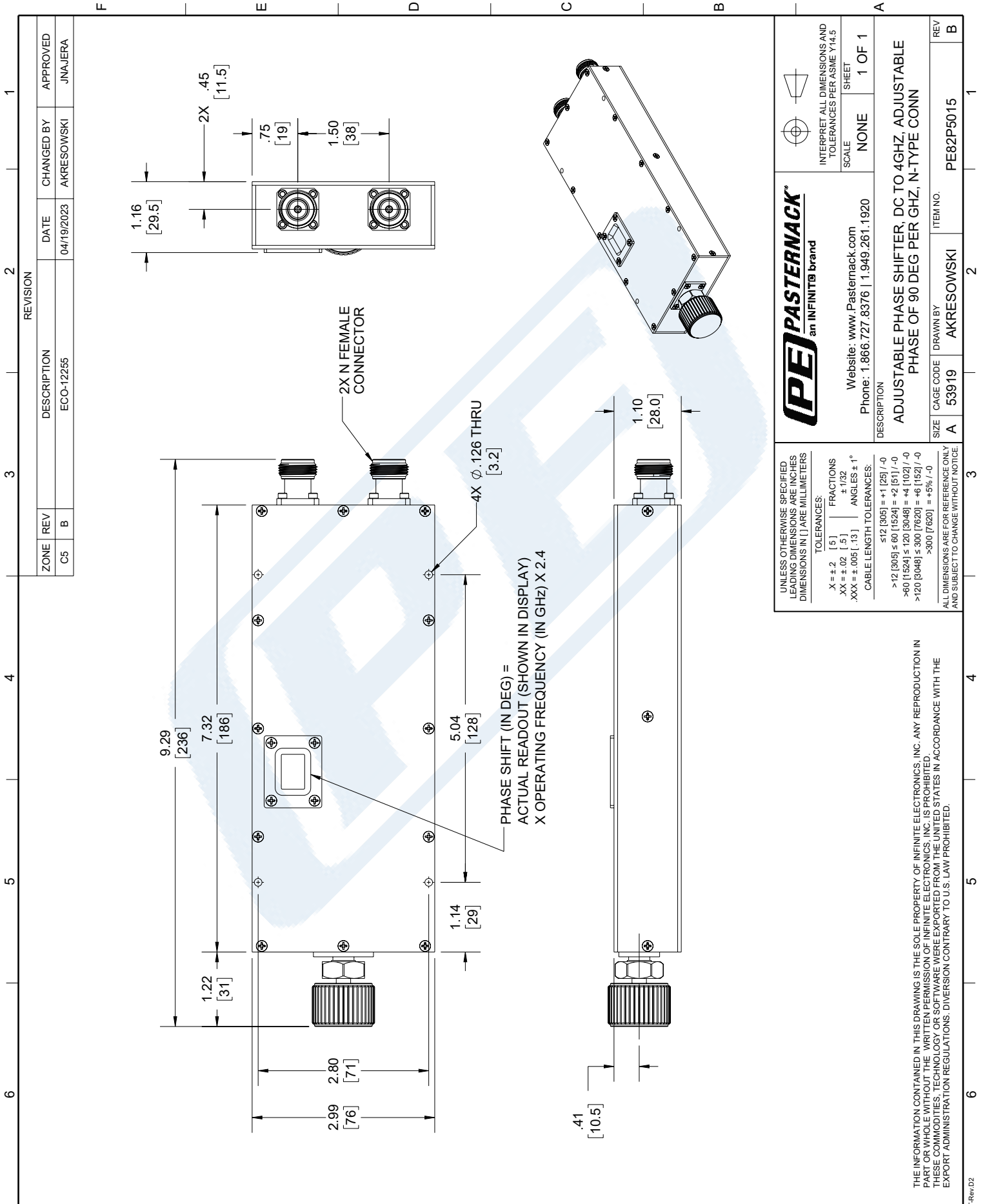
Adjustable Phase Shifter, DC to 4GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/adjustable-phase-shifter-4-ghz-90-deg-per-ghz-n-pe82p5015-p.aspx>

PE82P5015 CAD Drawing

Adjustable Phase Shifter, DC to 4GHz, With an Adjustable
Phase of 90 Deg. Per GHz with N-type connector



PE PASTERNAK an INFINITI [®] brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION: ADJUSTABLE PHASE SHIFTER, DC TO 4GHZ, ADJUSTABLE PHASE OF 90 DEG PER GHZ, N-TYPE CONN
SIZE: A	CAGE CODE: 53919	DRAWN BY: AKRESOWSKI
ITEM NO.:	REV: B	REV: B

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5] FRACTIONS
XX = ±.02 [.5] ± 1/32
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = ±1 [25] / -0
>12 [305] ≤ 60 [1524] = ±2 [51] / -0
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±8 [152] / -0
>300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE

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