

Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector

Phase Shifters and Trimmers Technical Data Sheet

PE82P5016

Features

- Phase Tuning Range: 0 to 720 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: 1.5 dB Max

Applications

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

Description

Pasternack's PE82P5016 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 8GHz. With N-Type female connectors, this RF phase shifter design is tried and true technology that offers exceptional RF performance characteristics that include 1.5 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.

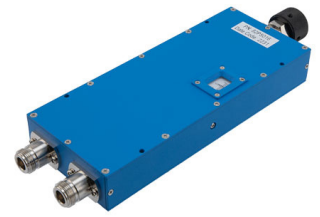
Electrical Specifications (Values at +25° C, Sea Level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Phase Shift	0		720	Degrees
Phase Adjustment	0		90	Deg/GHz
Input VSWR			1.5:1	
Insertion Loss			1.5	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	1.4 lbs [635.03 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 90 Deg. Per GHz with N-type connector PE82P5016](#)



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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:

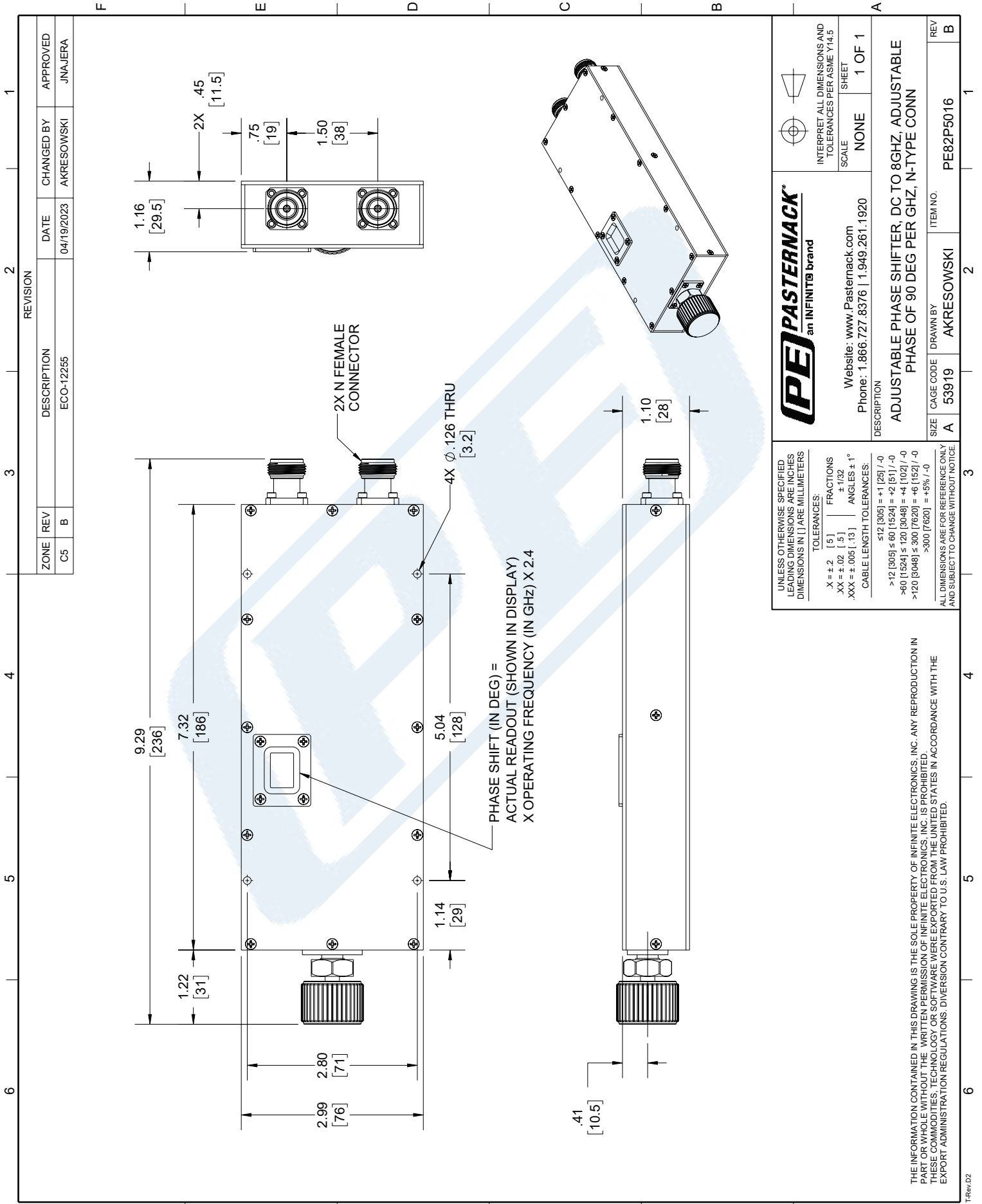
Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 90 Deg. Per GHz with N-type connector PE82P5016](#)

URL: <https://www.pasternack.com/adjustable-phase-shifter-8-ghz-90-deg-per-ghz-n-pe82p5016-p.aspx>

PE82P5016 CAD Drawing

Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector



PE PASTERNAK an INFINITI [®] brand		
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	SCALE NONE	SHEET 1 OF 1
DESCRIPTION ADJUSTABLE PHASE SHIFTER, DC TO 8GHZ, ADJUSTABLE PHASE OF 90 DEG PER GHZ, N-TYPE CONN		
SIZE A	CAGE CODE 53919	DRAWN BY AKRESOWSKI
ITEM NO. PE82P5016	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]	±.2 [51]	/ -0
>60 [1524]	±.4 [102]	/ -0
>120 [3048]	±.8 [203]	/ -0
>300 [7620]	±1.6 [406]	/ -0

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

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