

Adjustable Phase Shifter, DC-18 GHz, With an Adjustable Phase of 60 deg / GHz Minimum, SMA and Digital Dial



PE8255A

Features

- Adjustable Phase Shifter
- DC to 18 GHz Range
- 60 Degree per GHz Minimum Optimized Control Range
- 100 Watts CW Max Input Power
- Insertion Loss 1 dB Max
- Digital Dial

Applications

- Test & Measurements
- Radar Developments
- Military Communication Systems
- Tracking Systems
- Direction Finding Systems
- Antenna Test
- Frequency Translation

Description

Pasternack adjustable phase shifter PE8255A is part of our large selection of in-stock RF, microwave and millimeter wave components available for purchase. This adjustable phase shifter is manufactured with SMA connectors and has a phase adjustment of 30 degrees per GHz minimum. Our SMA adjustable phase shifter has a minimum frequency of DC and a maximum frequency of 18 GHz. SMA coaxial RF variable phase shifter has a maximum input power of 100 watts and a maximum VSWR of 1.6:1 with a digital dial. PE8255A coaxial SMA adjustable phase shifter is one of over 40,000 RF components supplied by Pasternack. Our variable phase shifter can be bought and shipped worldwide the same-day as with Pasternack's other in-stock RF parts.

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

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Phase Adjustment	60			Deg/GHz
Input VSWR			1.6:1	
Insertion Loss			1	dB
Insertion Phase		320		Degrees
Input Power, CW			100	dBm
Input Power, Peak			3	kWatts

Electrical Specification Notes:
Insertion Phase @ 1 GHz: 320° (min setting)

Absolute Maximum Rating

Mechanical Specifications

Size

Length	3.75 in [95.25 mm]
Width/Diameter	2 in [50.8 mm]
Height	1 in [25.4 mm]
Weight	0.08 lbs [36.29 g]
Body Material and Plating	Aluminum

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Configuration

Input Connector
Output Connector

SMA Female
SMA Female

Environmental Specifications

Temperature

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

Plotted and Other Data

Adjustable Phase Shifter, DC-18 GHz, With an Adjustable Phase of 30 deg / GHz Minimum, SMA and Digital Dial 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-18 GHz, With an Adjustable Phase of 30 deg / GHz Minimum, SMA and Digital Dial PE8255A](#)

URL: <https://www.pasternack.com/adjustable-phase-shifter-18-ghz-30-deg-per-ghz-sma-pe8255a-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE8255A CAD Drawing

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