

Adjustable Phase Shifter, DC to 2GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector

Fairview Microwave FM82P5014 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 2GHz. With N-Type female connectors, this RF phase shifter design is tried and true technology that offers exceptional RF performance characteristics that include 0.8 dB maximum insertion loss and a maximum VSWR of 1.3:1. Phase shifters are part of Pasternack's comprehensive RF passive product offerings which are available in stock and ready for same-day shipment.

Features:

- Phase Tuning Range: 0 to 180 degrees
- Rotary Dial Design for Continuous Adjustment
- Frequency Range from DC to 2GHz
- N-Type Female Connectorized Design
- Max VSWR 1.3:1
- Max Power Rating: 100 Watts (CW)
- Insertion Loss: 0.8 dB Max

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

Description	Min	Typ	Max	Units
Frequency Range	DC		2	GHz
Impedance		50		Ohms
Phase Shift	0		180	Degrees
Phase Adjustment	0		90	Deg/GHz
Input VSWR			1.3:1	
Output VSWR				
Insertion Loss			0.8	dB
Input Power, CW			100	dBm
Input Power, Peak			5	kWatts
	5µs pulse, 2% duty cycle			
	5µs pulse, 2% duty cycle			

Applications:

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

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

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:

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Adjustable Phase Shifter, DC to 2GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Adjustable Phase Shifter, DC to 2GHz, With an Adjustable Phase of 90 Deg. Per GHz with N-type connector FM82P5014](#)

URL: <https://www.fairviewmicrowave.com/n-adjustable-phase-shifter-dc-2-ghz-fm82p5014-p.aspx>

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