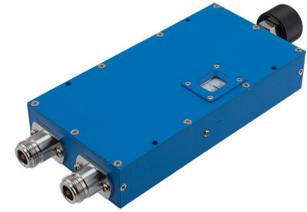


## Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector

Fairview Microwave FM82P5013 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                                   | Min | Typ | Max   | 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<br>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            |
| 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:

### 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

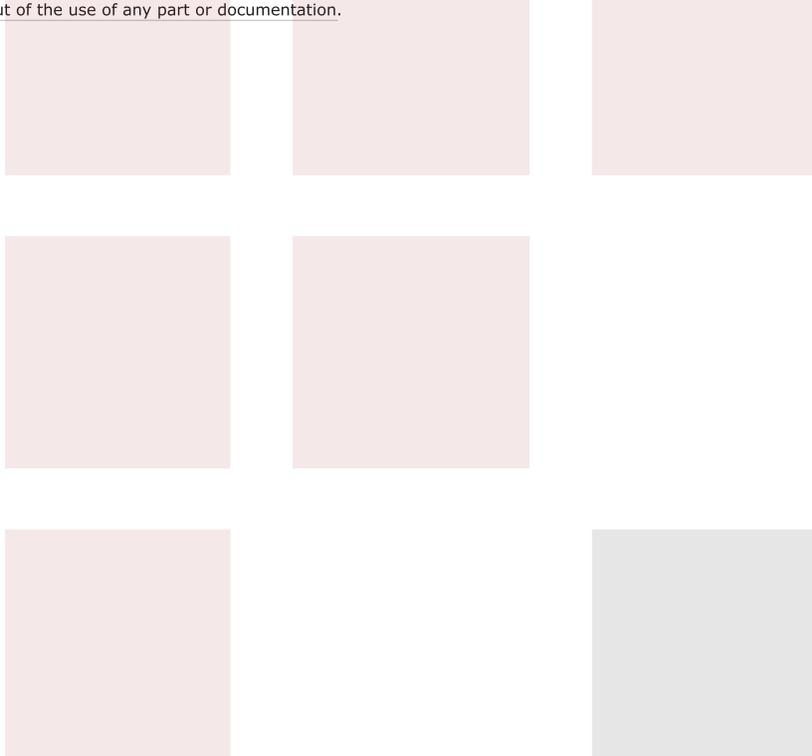
Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

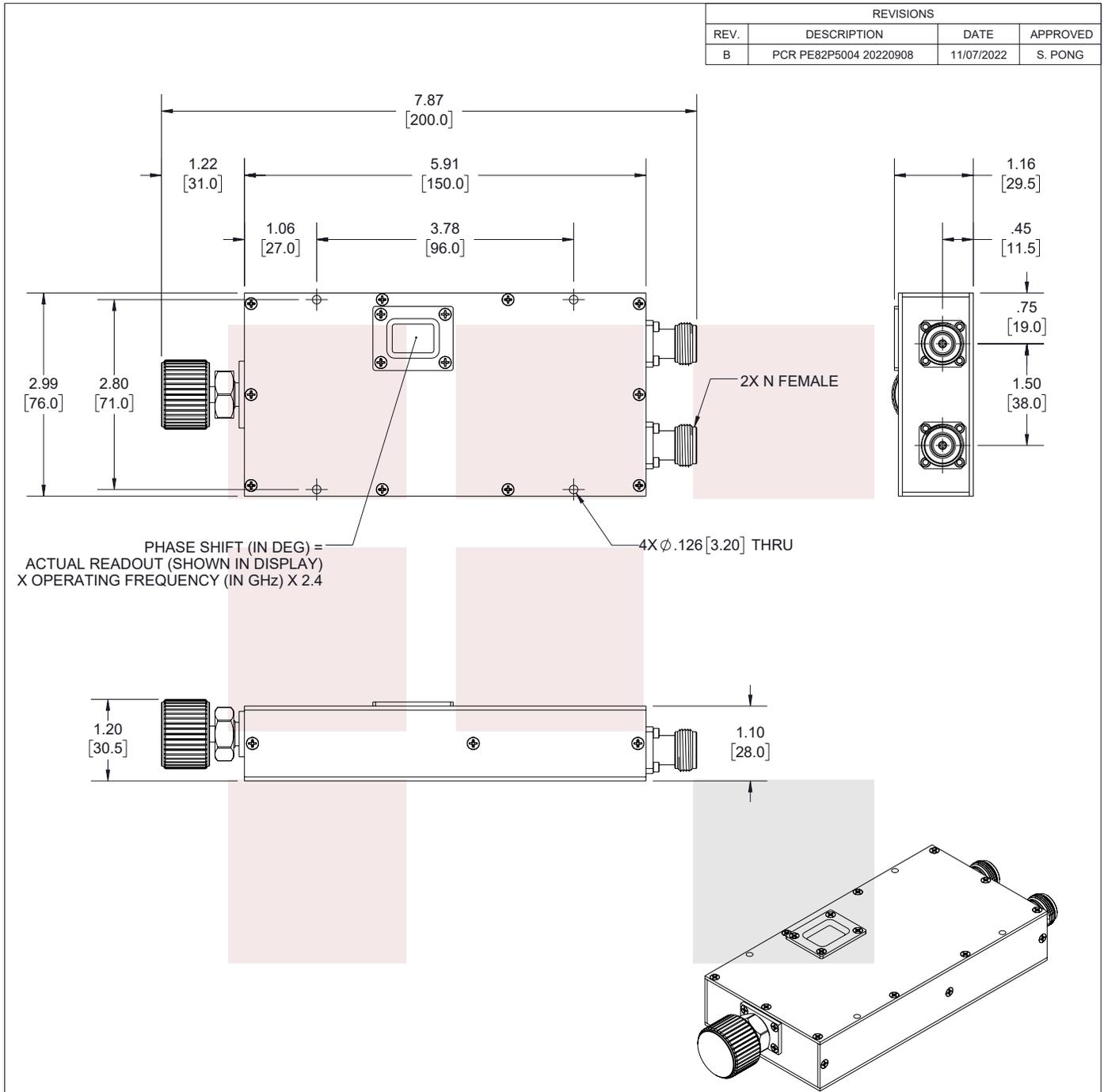
Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Adjustable Phase Shifter, DC to 8GHz, With an Adjustable Phase of 60 Deg. Per GHz with N-type connector FM82P5013](#)

URL: <https://www.fairviewmicrowave.com/n-adjustable-phase-shifter-dc-8-ghz-fm82p5013-p.aspx>

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





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

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

|   |                  |  |
|---|------------------|--|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |                  | THIRD-ANGLE PROJECTION   |
| TOLERANCES:   |                  | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> |
| CABLE LENGTH (L) TOLERANCES:  |                  |  |
| .X = ±.2 [5.08]   | FRACTIONS ± 1/32 | SHEET 1 OF 1   |
| .XX = ±.02 [.51]  | ANGLES ± 1°      | SCALE N/A  |
| .XXX = ±.005 [.13]  |                  |  |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.  |                  |  |
| SIZE A  | CAGE CODE 3FKR5  | DRAWN BY K.DANG  |
|   |                  | ITEM NO. FM82P5013   |
|   |                  | REV B  |

T-Rev.D