

## Description:

Model Number: PS-5G18G-400-A-SFF-ROHS is a 5 - 18 GHz Analog Phase Shifter. This phase shifter is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

## Specifications:

|                            |                     |
|----------------------------|---------------------|
| Frequency Range:           | 5 to 18 GHz         |
| Phase Shift Range:         |                     |
| 5 - 10 GHz                 | 180° Min, 400° Typ  |
| 10 - 13 GHz                | 135° Min, 200° Typ  |
| 13 - 18 GHz                | 45° Min, 120° Typ   |
| Insertion Loss:            |                     |
| 5 - 10 GHz                 | 14 dB Max, 8 dB Typ |
| 10 - 18 GHz                | 7 dB Max, 4 dB Typ  |
| Return Loss (In/Out):      | 8 dB Typ            |
| Control Voltage Range:     | 0 - 10 VDC          |
| Modulation Bandwidth:      | 50 MHz Typ          |
| Phase Voltage Sensitivity: | 40° / V Typ         |
| Insertion Phase            |                     |
| Temp Sensitivity:          | 0.5° / V Typ        |
| Finish:                    | Gold Plated         |

## Absolute Maximum Ratings:

|                  |            |
|------------------|------------|
| Control Voltage: | +11 VDC    |
| Reverse Current: | 5 mA       |
| Input Power:     | +30 dBm CW |

## Available Options:

Various Package types  
Various Connector types  
Hermetic Sealing  
MIL-STD-883 Screening Available

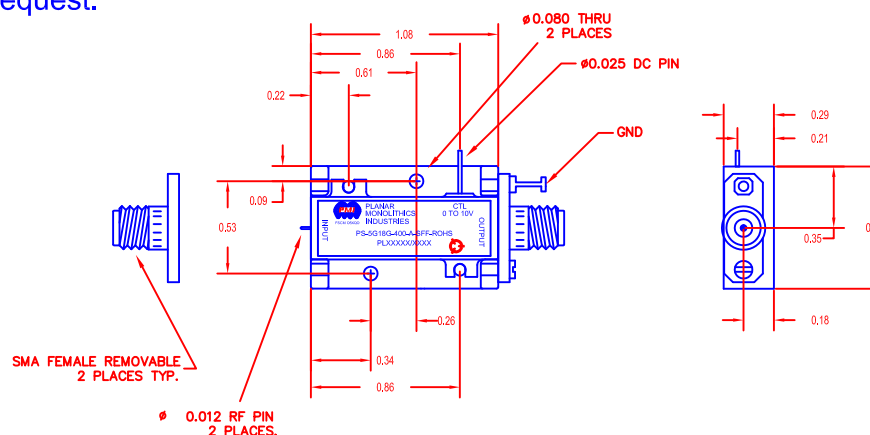
## Environmental Ratings:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Temperature:       | -55 to +85 Deg. C (Operating)<br>-65 to +150 Deg. C (Storage) |
| Humidity:          | MIL-STD-202F, METHOD 103B COND B.                             |
| Shock:             | MIL-STD-202F, METHOD 213B COND B.                             |
| Altitude:          | MIL-STD-202F, METHOD 105C COND B.                             |
| Temperature Cycle: | MIL-STD-202F, METHOD 107D COND A                              |

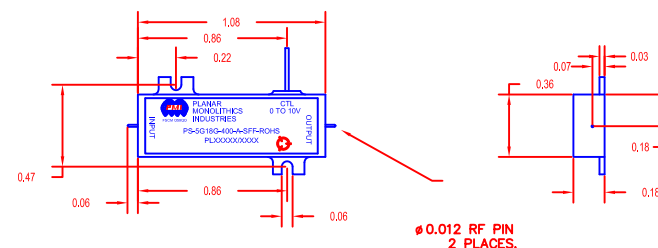
Note: The above specifications are subject to change or revision.

| REVISIONS |      |             |         |
|-----------|------|-------------|---------|
| ZONE      | REV. | DESCRIPTION | DATE    |
|           | —    | PRELIMINARY | 8/31/23 |
|           |      |             |         |
|           |      |             |         |

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

| APPROVALS |  | DATE    |  | TITLE                   |          |             |        |
|-----------|--|---------|--|-------------------------|----------|-------------|--------|
| DRAWN     |  | 8/31/23 |  | PRODUCT FEATURE         |          |             |        |
| CHECKED   |  |         |  | PS-5G18G-400-A-SFF-ROHS |          |             |        |
| ISSUED    |  |         |  | SIZE                    | FSCM NO. | DWG NO.     | REV.   |
|           |  |         |  | A                       | 05XQ0    | PRELIMINARY | —      |
|           |  |         |  | SCALE                   | N: S     | SHEET       | 1 OF 1 |