



50 Ohm SMA SP4T PIN Diode Switch Operating
From 1 GHz to 2 GHz Up To +30 dBm

TECHNICAL DATA SHEET

PE7126

50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm

Configuration

| | |
|----------------------------|------------------|
| RF Connector | SMA Female |
| RF Connector Specification | MIL-C-39012 |
| Control Connector | Solder Pin |
| Design | Absorptive, SP4T |

Electrical Specifications

| | |
|---------------------------------|--------|
| Frequency Range, GHz | 1 to 2 |
| Impedance, Ohms | 50 |
| Maximum Input Power, dBm | +30 |
| Maximum Input VSWR | 1.5:1 |
| Maximum Insertion Loss, dB | 1.2 |
| Minimum Isolation, dB | 85 |
| Maximum Speed, ns | 100 |
| Power Supply 1, Volts | 5 |
| Power Supply 2, Volts | -15 |
| Power Supply 2 Tolerance, Volts | 3 |

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -55 to +85 |
| Storage Range, deg C | -65 to +125 |

Size

| | |
|-----------------|-------------|
| Length, in [mm] | 2.26 [57.4] |
| Width, in [mm] | 0.6 [15.24] |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm PE7126](#)

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm

TECHNICAL DATA SHEET

PE7126

Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

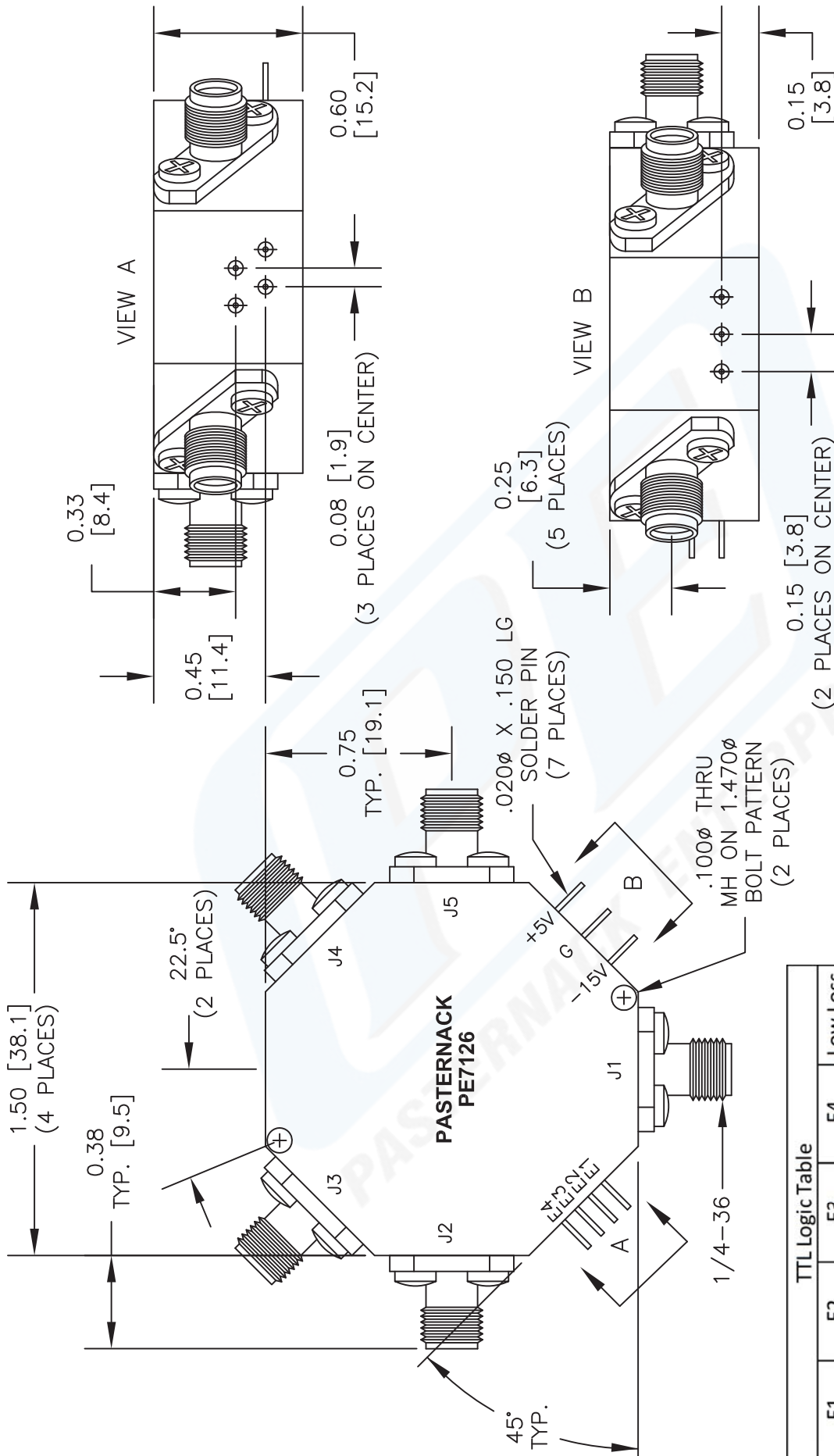
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm PE7126](http://www.pasternack.com/sma-female-coaxial-switch-pe7126-p.aspx)

URL: <http://www.pasternack.com/sma-female-coaxial-switch-pe7126-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

PE7126 CAD Drawing

50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm



Note: 0 = Low Loss
1 = Isolation

TTL Logic Table

| E1 | E2 | E3 | E4 | Low Loss |
|----|----|----|----|----------|
| 0 | 1 | 1 | 1 | J1-J2 |
| 1 | 0 | 1 | 1 | J1-J3 |
| 1 | 1 | 0 | 1 | J1-J4 |
| 1 | 1 | 1 | 0 | J1-J5 |

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE7126

FSCM NO. 53919

CAD FILE 040213-C

SCALE N/A

SIZE A

2233

PASTERNAK®
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com