



50 Ohm SMA SP4T PIN Diode Switch Operating
From 1 GHz to 18 GHz Up To +27 dBm

TECHNICAL DATA SHEET

PE7127

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 18 |
| Impedance, Ohms | 50 |
| Maximum Input Power, dBm | +27 |
| Maximum Input VSWR | 2:1 |
| Maximum Insertion Loss, dB | 3.7 |
| Minimum Isolation, dB | 65 |
| 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

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 18 GHz Up To +27 dBm PE7127](#)



50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm

TECHNICAL DATA SHEET

PE7127

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

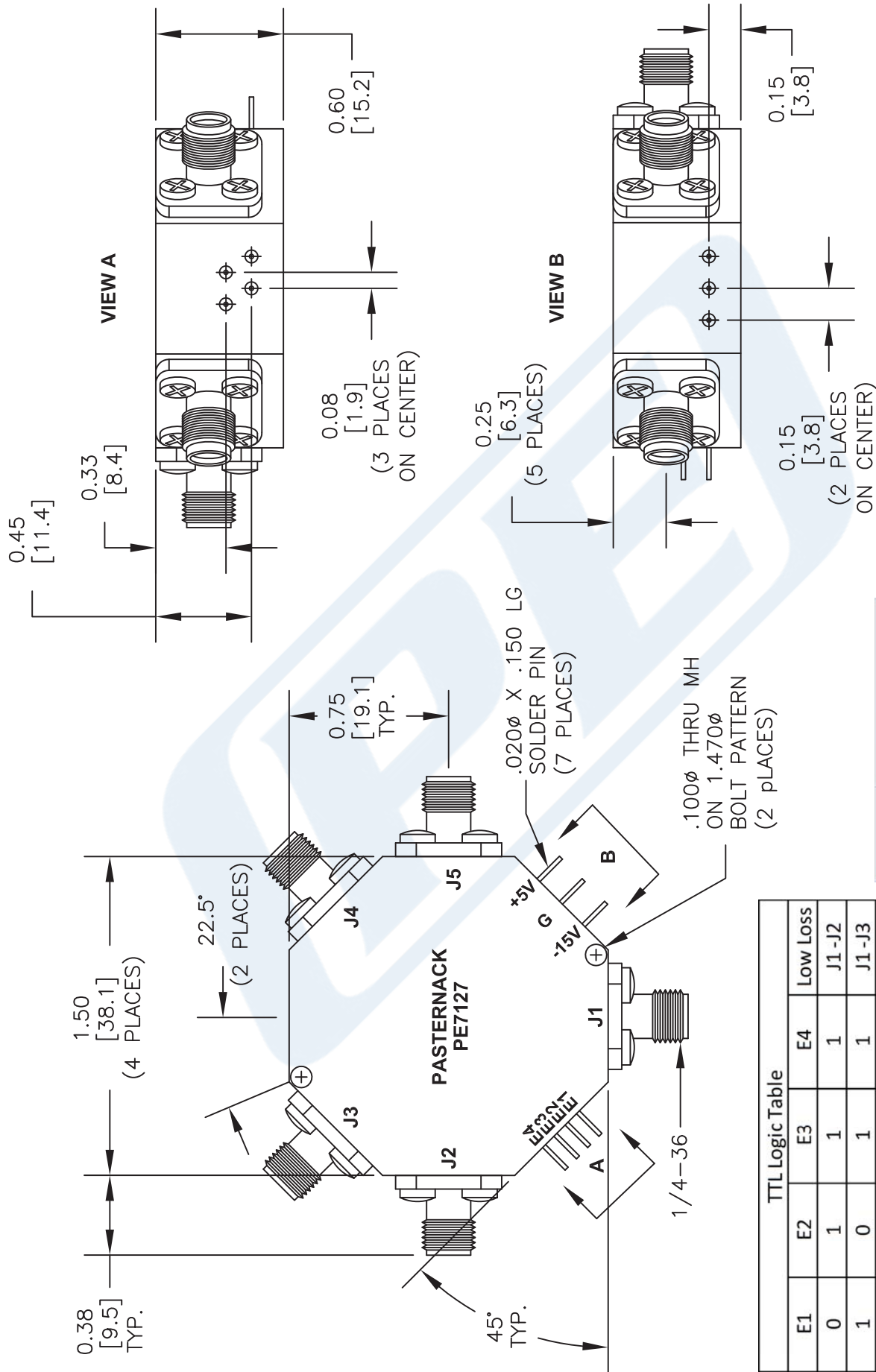
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm PE7127](http://www.pasternack.com/50-ohm-sma-sp4t-pin-diode-switch-1-18-ghz-plus-27-dbm-pe7127-p.aspx)

URL: <http://www.pasternack.com/50-ohm-sma-sp4t-pin-diode-switch-1-18-ghz-plus-27-dbm-pe7127-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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm

50 Ohm SMA SP4T PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm



| 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 |

| | |
|-------|-------------------------------|
| Note: | 0 = Low Loss 1 = Isolation |
|-------|-------------------------------|

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

PE7127

FSCM NO. 53919

| SIZE A | 2233 |
|--------|------|
|--------|------|

CAD FILE 040213-B

2233