



50 Ohm SMA SP4T PIN Diode Switch Operating
From 10 MHz to 1,000 MHz Up To +30 dBm

TECHNICAL DATA SHEET

PE7125

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Configuration

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

Electrical Specifications

Frequency Range, MHz	10 to 1,000
Impedance, Ohms	50
Maximum Input Power, dBm	+30
Maximum Input VSWR	1.5:1
Maximum Insertion Loss, dB	1.5
Minimum Isolation, dB	80
Maximum Speed, ns	250
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]	2.7 [68.58]
Width, in [mm]	0.5 [12.7]
Height, in [mm]	2.7 [68.58]

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

RoHS Compliant	Yes
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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 10 MHz to 1,000 MHz Up To +30 dBm PE7125](#)

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.



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Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm SMA SP4T PIN Diode Switch Operating From 10 MHz to 1,000 MHz 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.

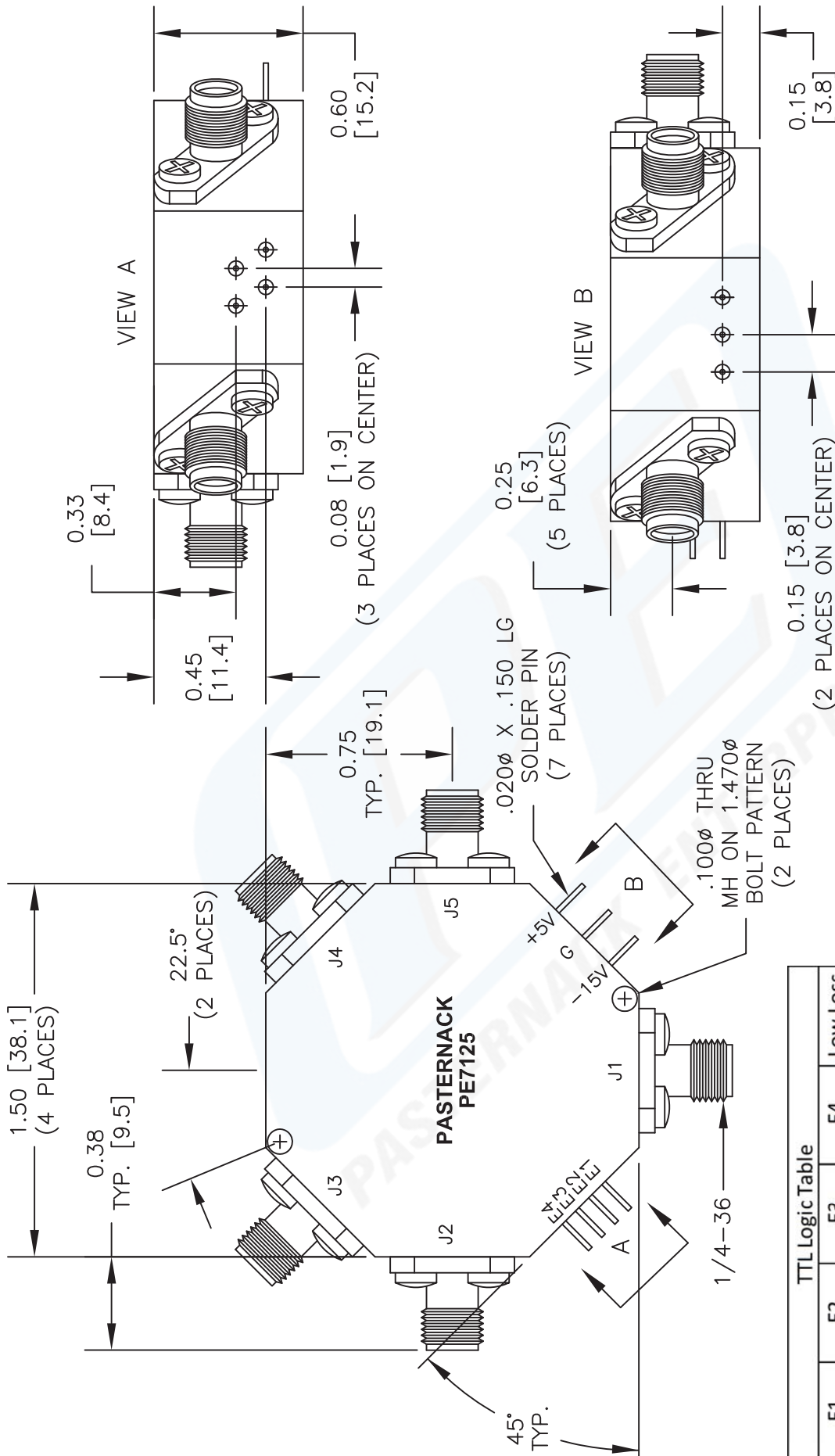
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SP4T PIN Diode Switch Operating From 10 MHz to 1,000 MHz Up To +30 dBm PE7125](http://www.pasternack.com/50-ohm-sma-sp4t-pin-switch-10-mhz-1000-mhz-1-watt-pe7125-p.aspx)

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PE7125 CAD Drawing

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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
PE7125

FSCM NO. 53919

CAD FILE 040213-C

SCALE N/A

SIZE A

2233

PE 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