



50 Ohm SMA SP4T PIN Diode Switch Operating
From 8 GHz to 12 GHz Up To +27 dBm

TECHNICAL DATA SHEET

PE7130

Configuration

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

Electrical Specifications

Frequency Range, GHz	8 to 12
Impedance, Ohms	50
Maximum Input Power, dBm	+27
Maximum Input VSWR	1.8:1
Maximum Insertion Loss, dB	2.6
Minimum Isolation, dB	70
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	
REACH Compliant	12/19/2011

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 8 GHz to 12 GHz Up To +27 dBm PE7130](#)



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Plotted and Other Data

Notes:

- Values at +25 °C, sea level

50 Ohm SMA SP4T PIN Diode Switch Operating From 8 GHz to 12 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.

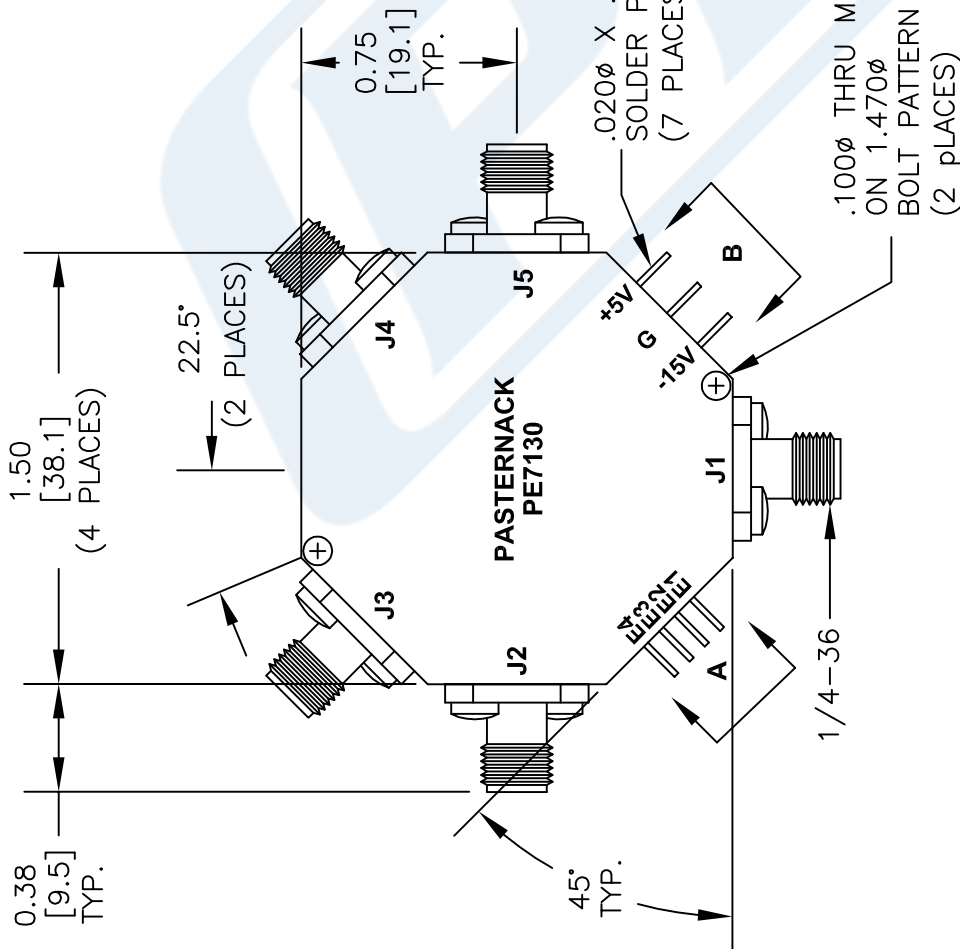
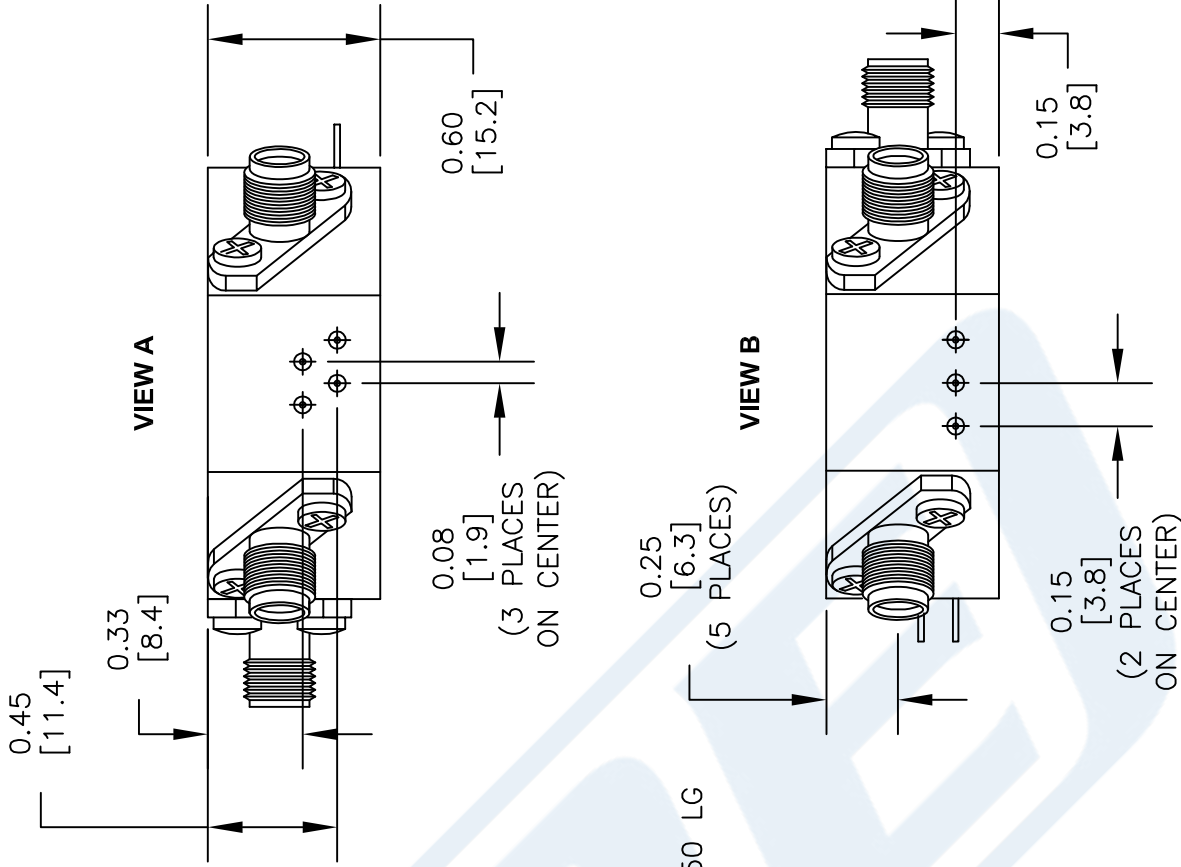
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE7130 CAD Drawing

50 Ohm SMA SP4T PIN Diode Switch Operating From 8 GHz to 12 GHz Up To +27 dBm



TTL Logic Table

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

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
PE7130

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