



## 50 Ohm SMA SP3T PIN Diode Switch Operating From 8 GHz to 12 GHz Up To +27 dBm

### TECHNICAL DATA SHEET

PE7123

#### 50 Ohm SMA SP3T PIN Diode Switch Operating From 8 GHz to 12 GHz Up To +27 dBm

##### Configuration

RF Connector	SMA Female
RF Connector Specification	MIL-C-39012
Control Connector	Solder Pin
Design	Absorptive, SP3T

##### 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	2.4
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]	2.7 [68.58]
Width, in [mm]	0.5 [12.7]
Height, in [mm]	2.7 [68.58]

##### Compliance Certifications (visit [www.Pasternack.com](http://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 SP3T PIN Diode Switch Operating From 8 GHz to 12 GHz Up To +27 dBm PE7123](#)

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 SP3T 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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

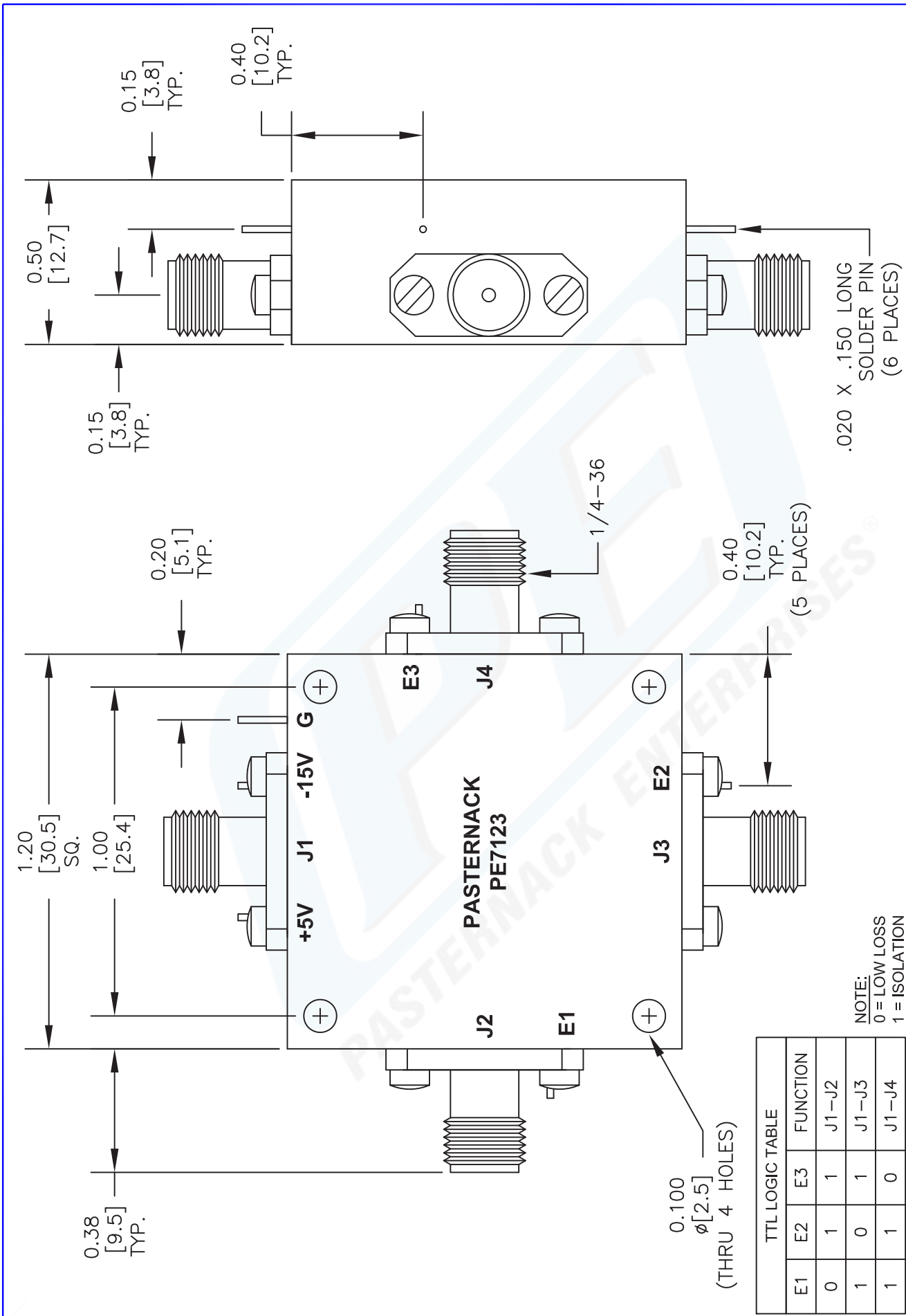
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SP3T PIN Diode Switch Operating From 8 GHz to 12 GHz Up To +27 dBm PE7123](http://www.pasternack.com/sma-female-coaxial-switch-pe7123-p.aspx)

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# PE7123 CAD Drawing

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TTL LOGIC TABLE

E1	E2	E3	FUNCTION
0	1	1	J1-J2
1	0	1	J1-J3
1	1	0	J1-J4

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  
**PE7123**

FSCM NO. 53919

CAD FILE 040313-B

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