



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

### TECHNICAL DATA SHEET

**PE7111**

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

##### Configuration

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

##### 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	1.3
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]	1.975 [50.17]
Width, in [mm]	1.275 [32.39]
Height, in [mm]	0.35 [8.89]

##### 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 SPDT PIN Diode Switch Operating From 10 MHz to 1,000 MHz Up To +30 dBm PE7111](#)

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 SPDT 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.

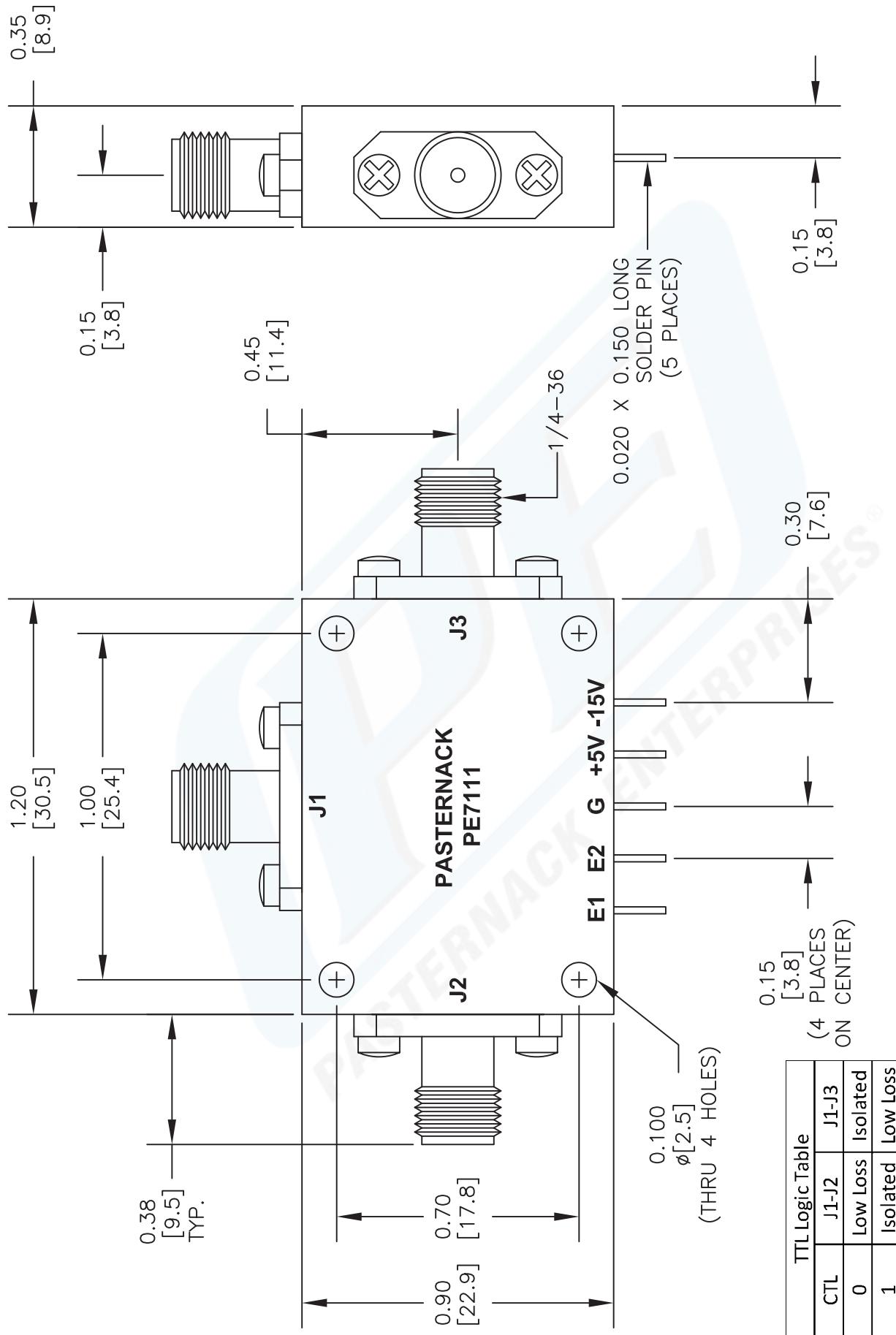
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SPDT PIN Diode Switch Operating From 10 MHz to 1,000 MHz Up To +30 dBm PE7111](#)

URL: <http://www.pasternack.com/50-ohm-sma-spdt-pin-switch-10-mhz-1000-mhz-1-watt-pe7111-p.aspx>

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# PE7111 CAD Drawing

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



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	PE7111
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TTL Logic Table	
CTL	J1-J2
0	Low Loss
1	Isolated

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SCALE N/A

SIZE A

2233