



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

TECHNICAL DATA SHEET

PE7106

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

**Configuration**

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

**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
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]	1.96 [49.78]
Width, in [mm]	0.9 [22.86]
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 SPST PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm PE7106](#)

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

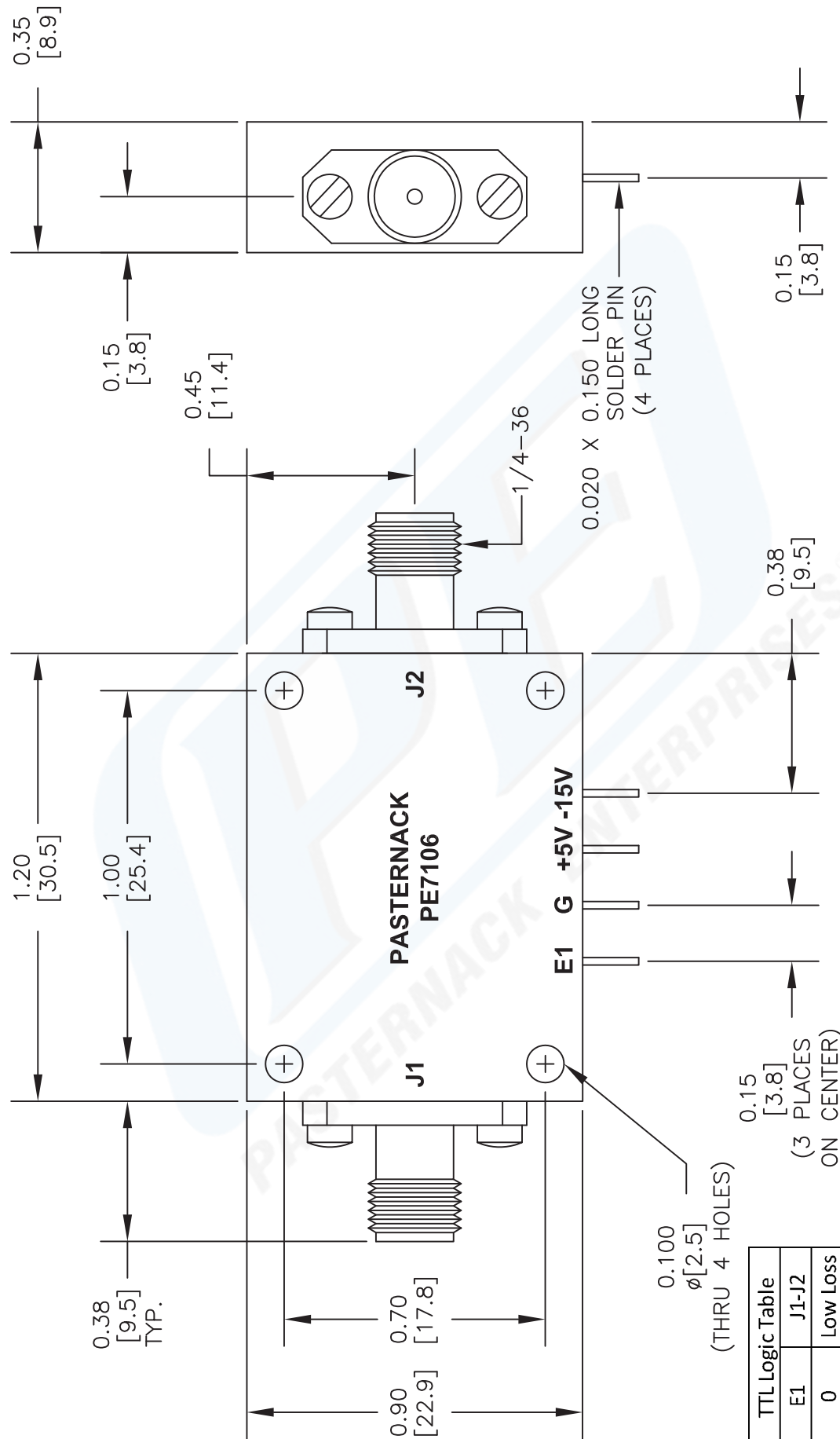
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SPST PIN Diode Switch Operating From 1 GHz to 18 GHz Up To +27 dBm PE7106](http://www.pasternack.com/50-ohm-sma-spst-pin-switch-1000-mhz-18000-mhz-0.5-watt-pe7106-p.aspx)

URL: <http://www.pasternack.com/50-ohm-sma-spst-pin-switch-1000-mhz-18000-mhz-0.5-watt-pe7106-p.aspx>

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# PE7106 CAD Drawing

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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  
**PE7106**

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FSCM NO. 53919

CAD FILE 040413-B

SCALE N/A

SIZE A

2233