



## 50 Ohm SMA SPDT PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm

### TECHNICAL DATA SHEET

PE7112

#### 50 Ohm SMA SPDT PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm

##### Configuration

|                   |                  |
|-------------------|------------------|
| RF Connector      | SMA Female       |
| Control Connector | Solder Pin       |
| Design            | Absorptive, SPDT |

##### Electrical Specifications

|                                 |        |
|---------------------------------|--------|
| Frequency Range, GHz            | 1 to 2 |
| Impedance, Ohms                 | 50     |
| Maximum Input Power, dBm        | +30    |
| 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 |
| <b>Size</b>            |             |
| Length, in [mm]        | 1.2 [30.48] |
| 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 |
|----------------|-----|

##### Plotted and Other Data

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

50 Ohm SMA SPDT PIN Diode Switch Operating From 1 GHz to 2 GHz 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.

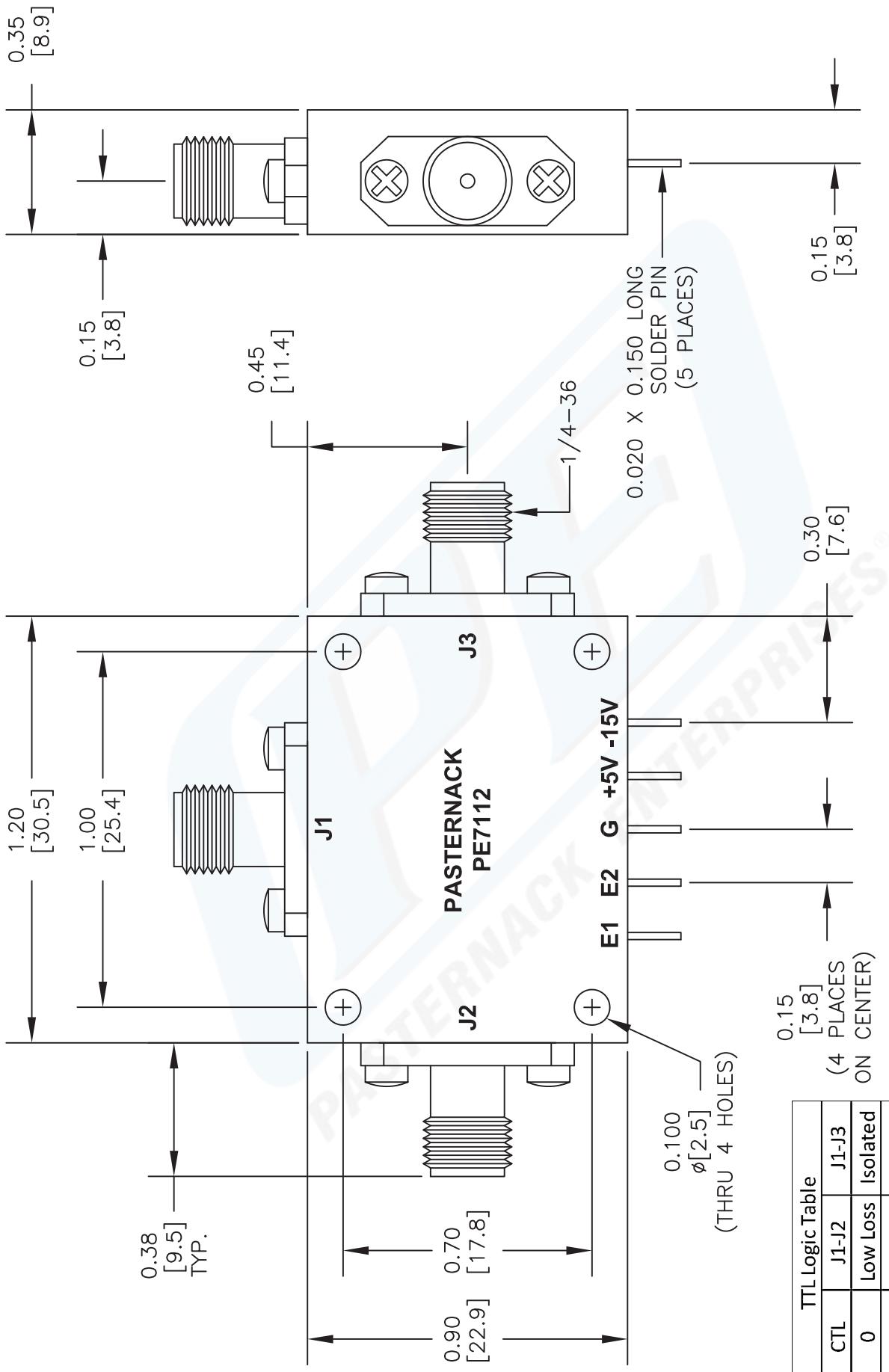
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA SPDT PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm PE7112](http://www.pasternack.com/50-ohm-sma-spdt-pin-switch-1000-mhz-2000-mhz-1-watt-pe7112-p.aspx)

URL: <http://www.pasternack.com/50-ohm-sma-spdt-pin-switch-1000-mhz-2000-mhz-1-watt-pe7112-p.aspx>

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.

# PE7112 CAD Drawing

50 Ohm SMA SPDT PIN Diode Switch Operating From 1 GHz to 2 GHz Up To +30 dBm



| DWG TITLE       |          | PE7112   |                      |
|-----------------|----------|----------|----------------------|
| TTL Logic Table |          |          |                      |
| CTL             | J1-J2    | J1-J3    | (4 PLACES ON CENTER) |
| 0               | Low Loss | Isolated |                      |
| 1               | Isolated | Low Loss |                      |

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