



50 Ohm 2.92mm To 2.92mm Phase Shifter  
 Operating From 26.5 GHz to 40 GHz With an  
 Adjustable Phase of 30.00 Deg. Per GHz

## TECHNICAL DATA SHEET

PE8254

### 50 Ohm 2.92mm To 2.92mm Phase Shifter Operating From 26.5 GHz to 40 GHz With an Adjustable Phase of 30.00 Deg. Per GHz

#### Configuration

Design	Phase Shifter
Phase Adjustment, deg/GHz	30
Connector 1	2.92mm Female
Impedance 1	50 Ohms
Connector 2	2.92mm Female
Impedance 2	50 Ohms

#### Electrical Specifications

Frequency Range, GHz	26.5 to 40
Maximum VSWR	2:1
Maximum Insertion Loss, dB	2.5
Group Delay, ps	670
Maximum Input Power, Watts	20

#### Mechanical Specifications

##### Size

Length, in [mm]	6.91 [175.51]
Width/Dia., in [mm]	2 [50.8]
Height, in [mm]	1 [25.4]
Color	Blue

##### Connector 1

Type	2.92mm Female
Body Material and Plating	Stainless Steel

##### Connector 2

Type	2.92mm Female
Body Material and Plating	Stainless Steel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 2.92mm To 2.92mm Phase Shifter Operating From 26.5 GHz to 40 GHz With an Adjustable Phase of 30.00 Deg. Per GHz PE8254](#)

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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**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Optimized from 0° to 360°, Minimum Phase Range: 0°  
to 500°

50 Ohm 2.92mm To 2.92mm Phase Shifter Operating From 26.5 GHz to 40 GHz With an Adjustable Phase of 30.00 Deg. Per GHz 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.

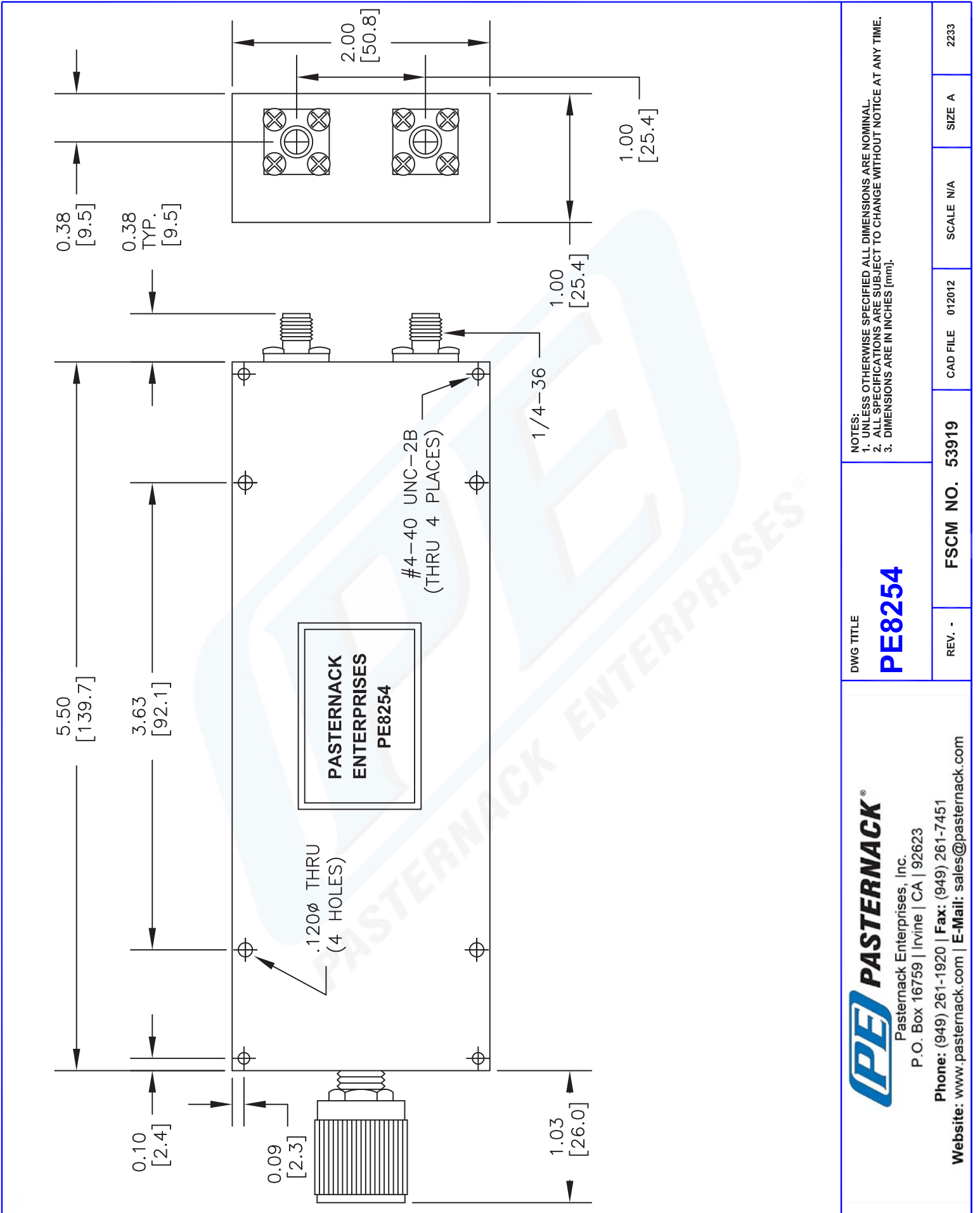
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# PE8254 CAD Drawing

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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  
**PE8254**  
 REV. -  
 FSCM NO. 53919  
 CAD FILE 012012  
 SCALE N/A  
 SIZE A  
 2233

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