



50 Ohm SMA Mixer Operating From 2 GHz to 18 GHz With an
IF Range From 2 GHz to 8 GHz And LO Power of +10 dBm

TECHNICAL DATA SHEET

PE8652

Configuration

Design	Double Balanced
RF Connector	SMA Female
RF Connector Impedance	50 Ohms
LO Connector	SMA Female
LO Connector Impedance	50 Ohms
IF Connector	SMA Female
IF Connector Impedance	50 Ohms

Electrical Specifications

RF Frequency Range, GHz	2 to 8
LO Frequency Range, GHz	2 to 8
IF Frequency Range, MHz	DC to 600
Maximum RF to LO Isolation, dB	20
Maximum LO to IF Isolation, dB	18
Maximum RF Connector Power, dBm	+23
Maximum LO Connector Power, Watts	10
Maximum DC Bias Current, Amps	0.1
1dB Compression Point, dBm	4
Input Two-Tone 3rd Intercept Point, dBm	13

Mechanical Specifications

Temperature

Operating Range, deg C	-45 to +90
Storage Range, deg C	-65 to +100

Size

Length, in [mm]	1.55 [39.37]
Width/Dia., in [mm]	0.31 [7.87]
Height, in [mm]	0.967 [24.56]

RF Connector

Type	SMA Female
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LO Connector

Type	SMA Female
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IF Connector

Type	SMA Female
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DC Bias Connector

Type	
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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 Mixer Operating From 2 GHz to 18 GHz With an IF Range From 2 GHz to 8 GHz And LO Power of +10 dBm PE8652](#)

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.



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Compliance Certifications (visit www.Pasternack.com for current document)

Not RoHS Compliant
REACH Compliant

06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level
- Peak input power for any single port: +23 dBm Peak

50 Ohm SMA Mixer Operating From 2 GHz to 18 GHz With an IF Range From 2 GHz to 8 GHz And LO Power of +10 dBm from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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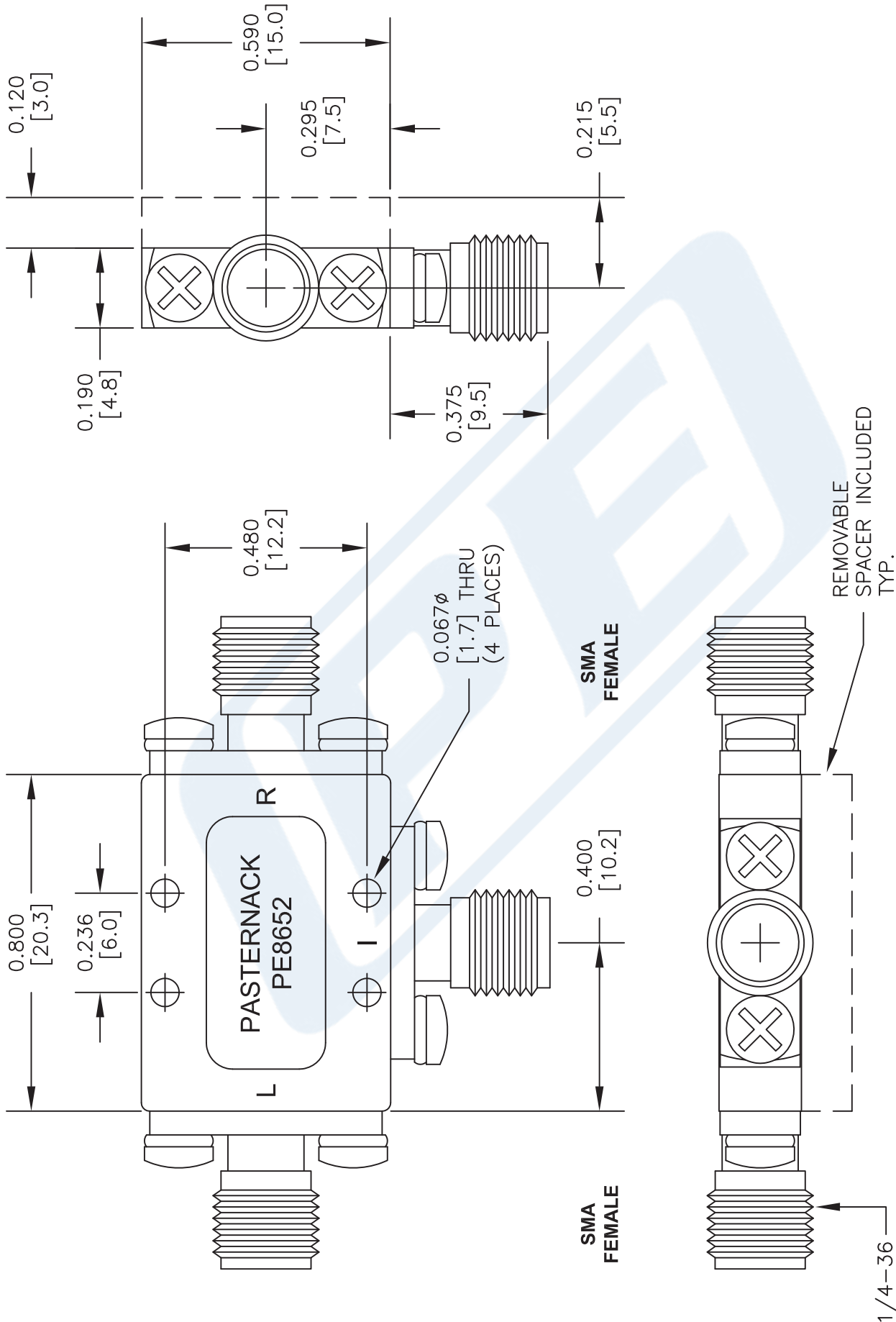
URL: <http://www.pasternack.com/50-ohm-sma-mixer-2000-mhz-18000-mhz-if-dc-600-mhz-pe8652-p.aspx>

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PE8652 CAD Drawing

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DWG TITLE

PE8652

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].

FSCM NO. 53919

CAD FILE 092313

SCALE N/A

SIZE A

2233

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