



50 Ohm SMA Mixer Operating From 2 GHz to 8 GHz With an
IF Range From DC to 1.5 GHz And LO Power of +10 dBm

TECHNICAL DATA SHEET

PE8650

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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, GHz	DC to 1.5
Maximum RF Connector Power, Watts	-10
Maximum LO Connector Power, Watts	10

Mechanical Specifications

Size	
Length, in [mm]	1.55 [39.37]
Width/Dia., in [mm]	0.236 [5.99]
Height, in [mm]	0.965 [24.51]
Body Material and Plating	Passivated Stainless Steel
RF Connector	
Type	SMA Female
Body Material and Plating	Passivated Stainless Steel
LO Connector	
Type	SMA Female
Body Material and Plating	Passivated Stainless Steel
IF Connector	
Type	SMA Female
Body Material and Plating	Passivated Stainless Steel
DC Bias Connector	
Type	

Compliance Certifications (visit 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 Mixer Operating From 2 GHz to 8 GHz With an IF Range From DC to 1.5 GHz And LO Power of +10 dBm PE8650](#)

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 Mixer Operating From 2 GHz to 8 GHz With an IF Range From DC to 1.5 GHz And LO Power of +10 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.

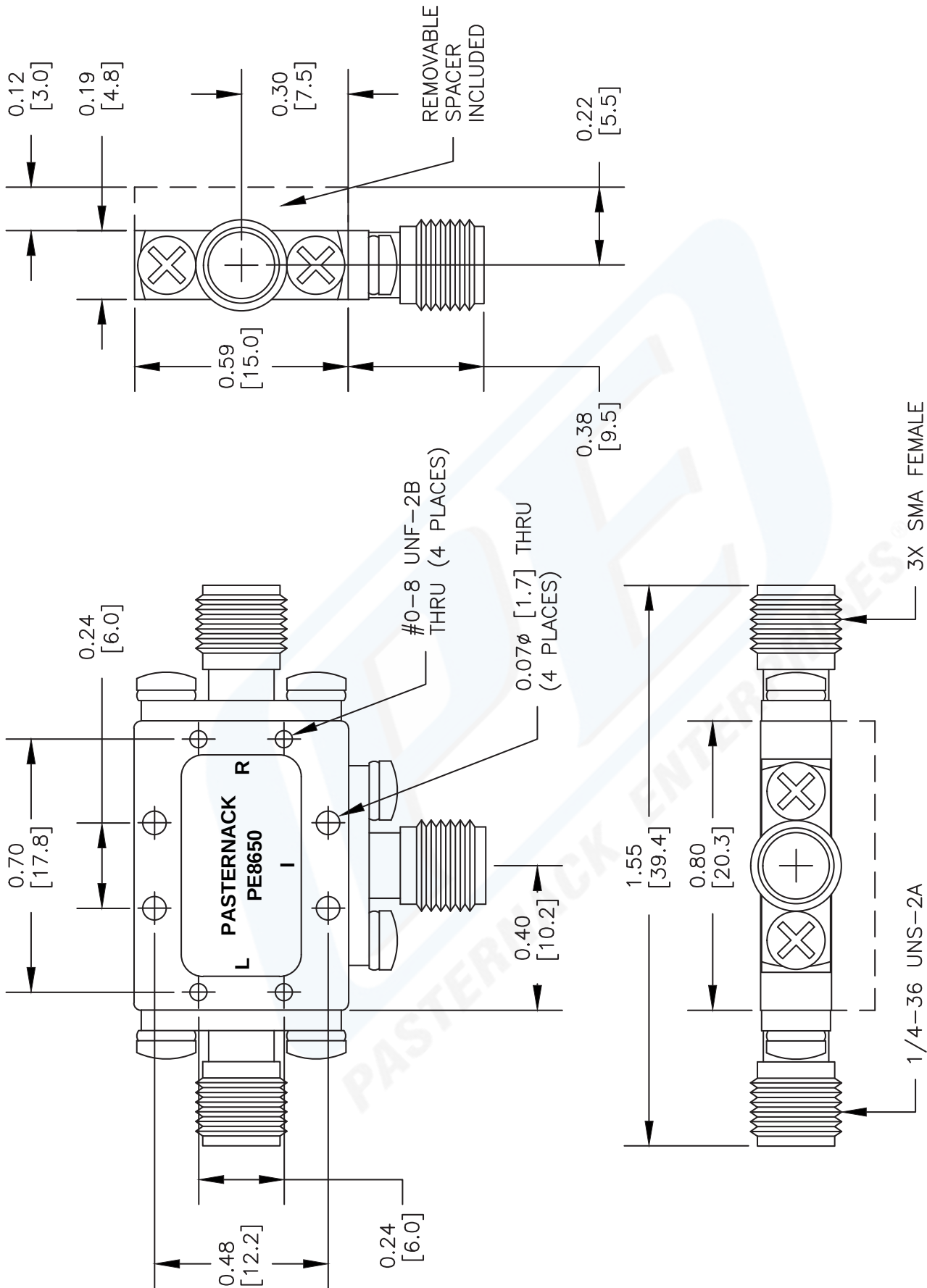
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA Mixer Operating From 2 GHz to 8 GHz With an IF Range From DC to 1.5 GHz And LO Power of +10 dBm PE8650](http://www.pasternack.com/50-ohm-sma-mixer-2000-mhz-8000-mhz-if-dc-1500-mhz-pe8650-p.aspx)

URL: <http://www.pasternack.com/50-ohm-sma-mixer-2000-mhz-8000-mhz-if-dc-1500-mhz-pe8650-p.aspx>

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PE8650 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

PE8650

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FSCM NO. 53919

CAD FILE 110811

SCALE N/A

SIZE A

2233