



Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors

TECHNICAL DATA SHEET

PE1401

Configuration

Connector 1	SMA Female
Impedance 1	50 Ohms
Connector 2	PCB Pin
Impedance 2	50 Ohms
Adapter Design	Standard
Body Style	Straight
Mount Method	Thru Hole

Electrical Specifications (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.15:1	
Insertion Loss		0.3		dB
Input Power			30	Watts
Peak Power			3	KWatts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6					GHz
VSWR	1.15:1					
VSWR Rotational Variance	0.01:1					
Insertion Loss Rotational Variance	0.03					dB
Phase Rotational Variance	0.5					dB

Mechanical Specifications

Size

Length	0.87 in [22.1 mm]
Width	0.35 in [8.89 mm]
Height	0.35 in [8.89 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors PE1401](#)



Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors

TECHNICAL DATA SHEET

PE1401

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	PCB Pin
Inner Conductor Material and Plating	Beryllium Copper, Gold	
Inner Conductor Plating Specification	4μ IN Minimum	
Outer Conductor Material and Plating	Passivated Stainless Steel	
Body Material and Plating	Passivated Stainless Steel	
Dielectric Type	PTFE	

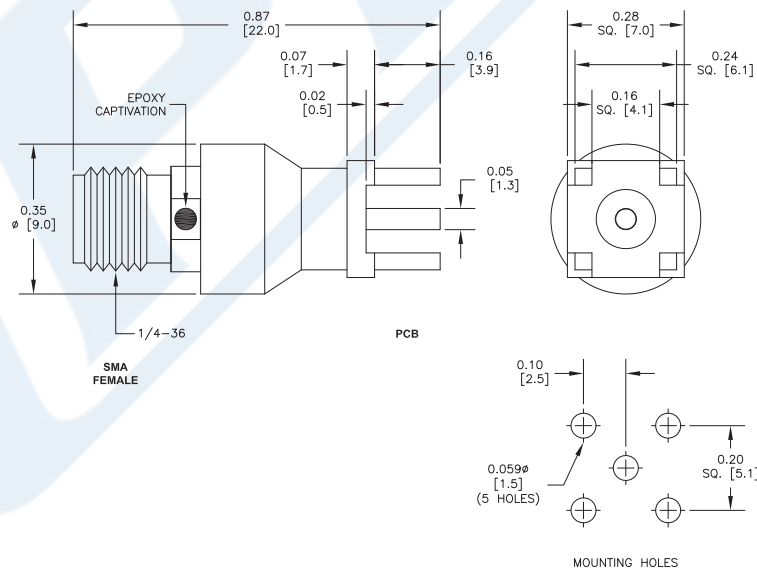
Compliance Certifications (visit www.Pasternack.com for current document)
RoHS Compliant

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Outline Drawing



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors PE1401](#)



Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors

TECHNICAL DATA SHEET

PE1401

Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Rotary Joint Operating to 6 GHz SMA Female PCB Pin Connectors PE1401](http://www.pasternack.com/rotary-joint-6-ghz-sma-female-pcb-pin-connectors-pe1401-p.aspx)

URL: <http://www.pasternack.com/rotary-joint-6-ghz-sma-female-pcb-pin-connectors-pe1401-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. 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.