



Rotary Joint Operating to 18 GHz 2.92mm  
Female 2.92mm Female Connectors

TECHNICAL DATA SHEET

PE1400

**Configuration**

Connector 1	2.92mm Female
Impedance 1	50 Ohms
Connector 2	2.92mm Female
Impedance 2	50 Ohms
Adapter Design	Standard
Body Style	Straight

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

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Input Power			30	Watts
Peak Power			3	KWatts

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6	6 to 12.4	12.4 to 18			GHz
VSWR	1.15:1	1.3:1	1.4:1			
VSWR Rotational Variance	0.01:1	0.02:1	0.03:1			
Insertion Loss	0.3	0.4	0.6			dB
Insertion Loss Rotational Variance	0.03	0.05	0.1			dB
Phase Rotational Variance	0.5	1	1.5			dB

**Mechanical Specifications**

Description	Minimum	Typical	Maximum	Units
Speed		100		RPM

**Temperature**

Operating Range -40 to +70 deg C

**Size**

Length 1 in [25.4 mm]  
Width 0.56 in [14.22 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 18 GHz 2.92mm Female 2.92mm Female Connectors PE1400](#)



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**Connectors**

Description	Connector 1	Connector 2
Type	2.92mm Female	2.92mm Female
Inner Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Inner Conductor Plating Specification	4μ IN Minimum	4μ IN Minimum
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Dielectric Type	PTFE	PTFE

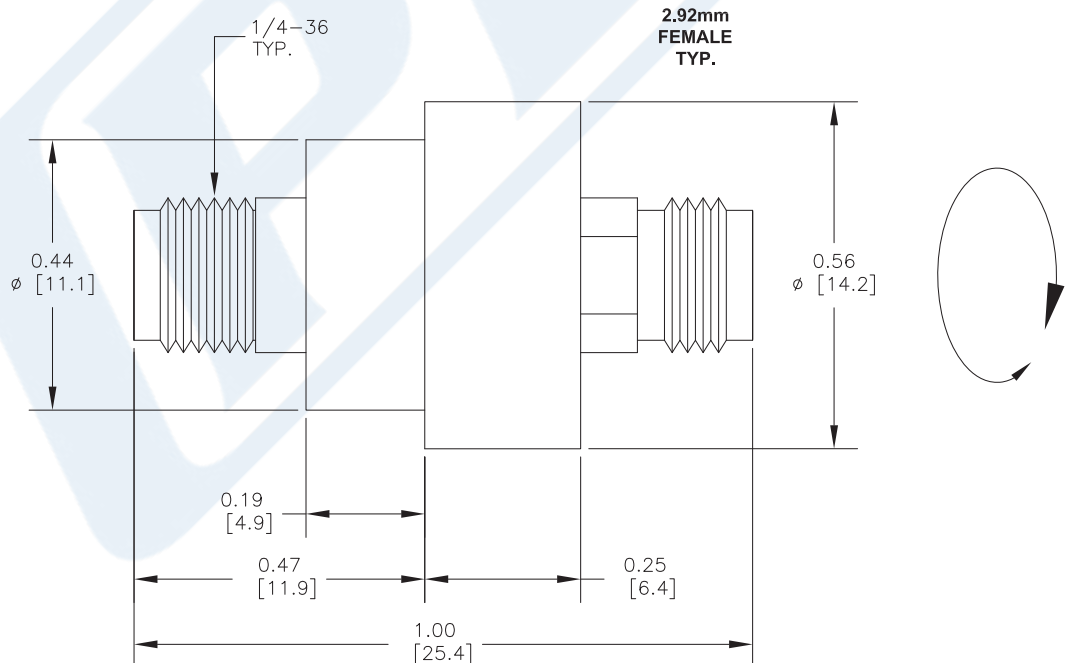
**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

**Outline Drawing**



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Rotary Joint Operating to 18 GHz 2.92mm Female 2.92mm Female 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 18 GHz 2.92mm Female 2.92mm Female Connectors PE1400](http://www.pasternack.com/rotary-joint-18-ghz-2.92mm-female-2.92mm-female-connectors-pe1400-p.aspx)

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