



Precision 1.85mm Male to 1.85mm Male Phase  
Matched Adapter Operating to 67 GHz

TECHNICAL DATA SHEET

PE91085

**Precision 1.85mm Male to 1.85mm Male Phase Matched Adapter Operating to 67 GHz**

**Configuration**

Connector 1	1.85mm Male
Impedance 1	50 Ohms
Connector 2	1.85mm Male
Impedance 2	50 Ohms
Adapter Design	Precision
Body Style	Straight

**Electrical Specifications**

Frequency Range, GHz	DC to 67
Maximum VSWR	1.35:1
Maximum Input Power, Watts	20

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-55 to +125
Storage Range, deg C	-55 to +125

**Size**

Length, in [mm]	0.85 [21.59]
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**Connector 1**

Type	1.85mm Male
Inner Conductor Material and Plating	Beryllium Copper, Gold
Inner Conductor Plating Specification	MIL-PRF-39012
Outer Conductor Plating Specification	ASTM-A582, Alloy 303, Cond. A
Coupling Nut Material and Plating	Stainless Steel
Coupling Nut Plating Specification	ASTM-A582, Alloy 303, Cond. A
Hex Size, Inch	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Stainless Steel
Body Plating Specification	ASTM-A582, Alloy 303, Cond. A

**Connector 2**

Type	1.85mm Male
Inner Conductor Material and Plating	Beryllium Copper, Gold
Inner Conductor Plating Specification	MIL-PRF-39012
Outer Conductor Plating Specification	ASTM-A582, Alloy 303, Cond. A
Coupling Nut Material and Plating	Stainless Steel
Coupling Nut Plating Specification	ASTM-A582, Alloy 303, Cond. A
Hex Size, Inch	5/16
Torque, in-lbs [Nm]	8 [0.9]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision 1.85mm Male to 1.85mm Male Phase Matched Adapter Operating to 67 GHz PE91085](#)

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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Body Material and Plating  
Body Plating Specification

Stainless Steel  
ASTM-A582, Alloy 303, Cond. A

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

Yes

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Precision 1.85mm Male to 1.85mm Male Phase Matched Adapter Operating to 67 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.

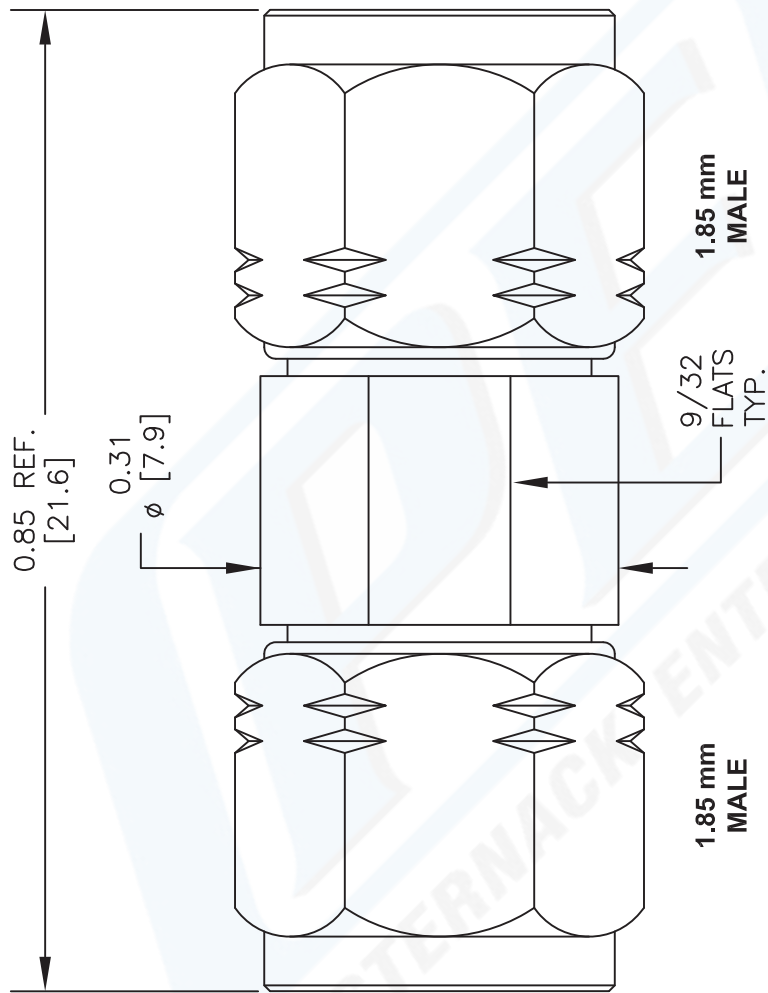
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision 1.85mm Male to 1.85mm Male Phase Matched Adapter Operating to 67 GHz PE91085](http://www.pasternack.com/1.85mm-male-1.85mm-male-straight-adapter-pe91085-p.aspx)

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PE91085 CAD Drawing

Precision 1.85mm Male to 1.85mm Male Phase Matched Adapter Operating to 67 GHz



<div><div> <b>PASTERNAK®</b></div><div>Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 <b>Phone:</b> (949) 261-1920   <b>Fax:</b> (949) 261-7451 <b>Website:</b> <a href="http://www.pasternack.com">www.pasternack.com</a>   <b>E-Mail:</b> <a href="mailto:sales@pasternack.com">sales@pasternack.com</a></div></div>			<div>DWG TITLE</div> <div>PE91085</div>		<div>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].</div>			
			FSCM NO. 53919		CAD FILE 071213	SCALE N/A	SIZE A	2233



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