



PE91039

Precision 7/16 DIN Male to 7/16 DIN Male Adapter Low PIM,
Low VSWR

7/16 DIN Male to 7/16 DIN Male Low PIM, Low VSWR Precision Adapters

- PIM levels <-165 dBc
- Low VSWR levels up to 8 GHz.
- Tri-metal Albaloy coating
 - durable surface with good corrosion protection
 - abrasion resistance
 - superior electrical contact properties.
- Available in various connector combinations
 - 7/16 DIN in-series
 - Type N in-series
 - 7/16 DIN to Type N and SMA in-between series
- 4-hole flange and bulkhead-mounted styles available
- Ideal choice for use in portable PIM testing

Configuration

Connector 1	7/16 DIN Male
Connector 2	7/16 DIN Male
Adapter Design	Precision
Body Style	Straight

Electrical Specifications

Frequency Range (GHz)	DC to 8
Impedance (Ohms)	50
VSWR, Max	1.2:1
Dielectric Withstanding Voltage (Vrms)	3500
Passive Intermodulation ((<-) dBc @ 2 x 20 Watts)	-165

Frequency 1

Frequency (GHz)	DC to 1
VSWR	1.03:1
Return Loss (dB)	38

Frequency 2

Frequency (GHz)	1 to 5
VSWR	1.08:1
Return Loss (dB)	28

Frequency 3

Frequency (GHz)	5 to 8
VSWR	1.2:1
Return Loss (dB)	21

Click the following link for the additional product information:
[Precision 7/16 DIN Male to 7/16 DIN Male Adapter Low PIM, Low VSWR PE91039](#)

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Mechanical Specifications

Temperature Operating Range (deg C)	-55 to +155
Weight (lbs)	0.35
Length (inches)	1.88
Width/Dia. (inches)	1.37
Dielectric Type	PTFE

Connector 1

Hex Size (mm)	7/16 DIN Male 32
Torque (ft-lb)	18.4
Mating Cycles	500
Inner Conductor Material and Plating	Brass, Silver, 5µm
Outer Conductor Material and Plating	Brass, Tri Metal – Albaloy, 2.54µm
Coupling Nut Material and Plating	Brass, Tri Metal – Albaloy, 2.54µm

Connector 2

Hex Size (mm)	7/16 DIN Male 32
Torque (ft-lb)	18.4
Mating Cycles	500
Inner Conductor Material and Plating	Brass, Silver, 5µm
Outer Conductor Material and Plating	Brass, Tri Metal – Albaloy, 2.54µm
Coupling Nut Material and Plating	Brass, Tri Metal – Albaloy, 2.54µm

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

RoHS Compliant	Yes, by exemption
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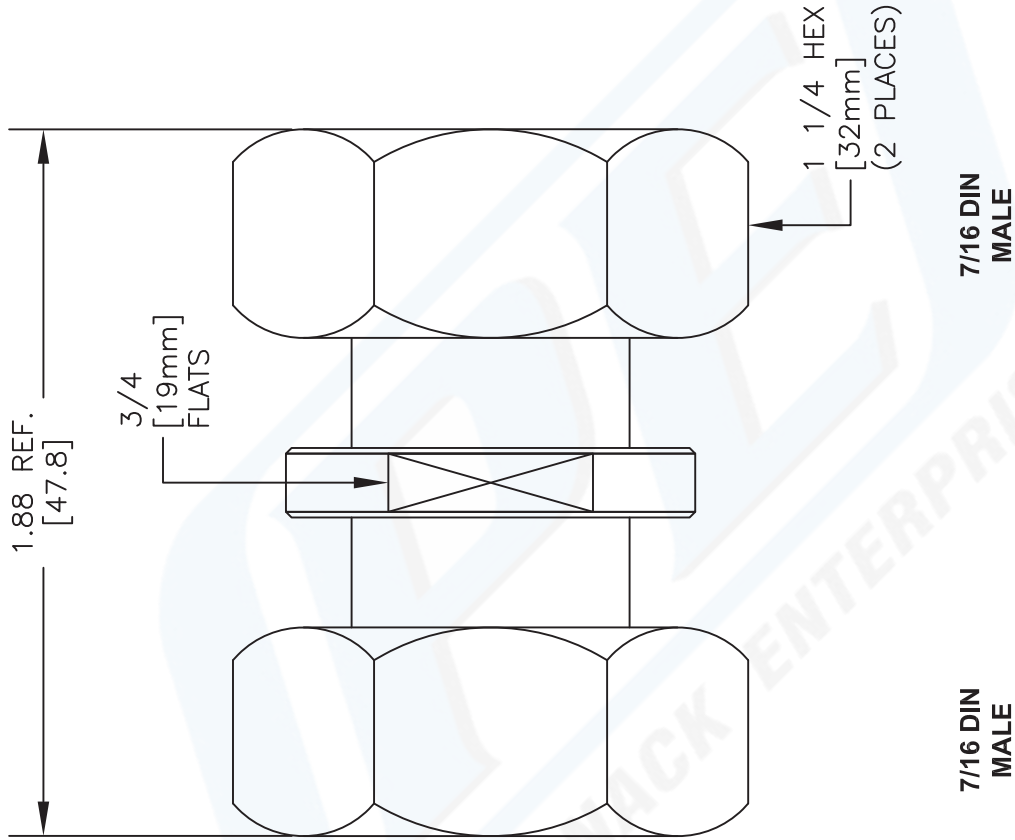
Other Data

URL: <http://www.pasternack.com/7-16-male-7-16-male-straight-adapter-pe91039-p.aspx>

Precision 7/16 DIN Male to 7/16 DIN Male Adapter Low PIM, Low VSWR 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.

PE91039 CAD Drawing

Precision 7/16 DIN Male to 7/16 DIN Male Adapter Low PIM, Low VSWR



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
PE91039

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SIZE A

SCALE N/A

CAD FILE 050312

FSCM NO. 53919

REV. -