PASTERNACK®
THE ENGINEER'S RF SOURCE

Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR

TECHNICAL DATA SHEET PE91028

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

Configuration

Connector 1	7/16 DIN Male
Impedance 1	50 Ohms
Connector Specification 1	IEC 169-4 (0.232 dia. Enhancement)
Connector 2	7/16 DIN Female
Impedance 2	50 Ohms
Connector Specification 2	IEC 169-4 (0.232 dia. Enhancement)
Adapter Design	Low PIM
Body Style	Straight

Electrical Specifications

Frequency Range	DC to 8 GHz
Maximum VSWR	1.2:1
Group Delay, ps	100
Dielectric Withstanding Voltage, Vrms	4,000
Maximum Passive Intermodulation (2 x 20 Watts), dBc	-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

Mechanical Specifications

Size

Length, in [mm]	1.57 [39.88]
Width/Dia., in [mm]	1.25 [31.75]
Weight, lbs [g]	0.28 [127.01]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR PE91028

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

PASTERNACK®
THE ENGINEER'S RF SOURCE

Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR

TECHNICAL DATA SHEET PE91028

Connector 1

Type	7/16 DIN Male
Mating Cycles	500
Inner Conductor Material and Plating	Brass, Silver
Inner Conductor Plating Specification	200 [5] µ in. [µm] minimum
Coupling Nut Material and Plating	Brass, Tri-Metal
Coupling Nut Plating Specification	100 [2.54] µ in. [µm] minimum
Hex Size, mm	32
Torque, ft-lbs [Nm]	18.417 [24.97]
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	100 [2.54] µ in. [µm] minimum
Dielectric Type	PTFE

Connector 2

Type	7/16 DIN Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper, Silver
Inner Conductor Plating Specification	200 [5] µ in. [µm] minimum
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	100 [2.54] µ in. [µm] minimum
Dielectric Type	PTFE

Environmental Specifications

Temperature

Operating Range	-40 to +155 deg C

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR PE91028

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR 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.

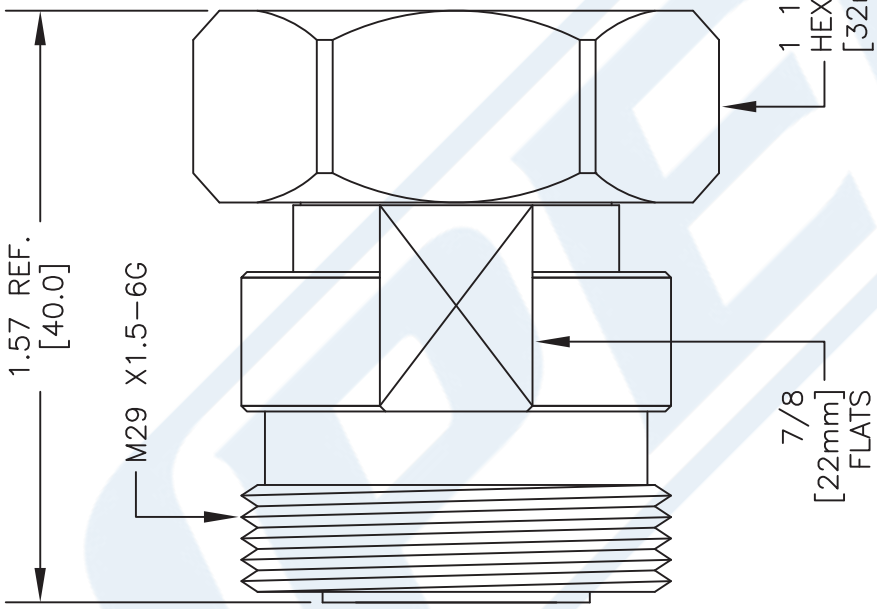
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter Low VSWR PE91028

URL: http://www.pasternack.com/7-16-male-7-16-female-straight-adapter-pe91028-p.aspx

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PE91028 CAD Drawing

Low PIM 7/16 DIN Male to 7/16 DIN Female Adapter 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 **PE91028**

CAD FILE 021814 | SCALE N/A | SIZE A | 2233

FSCM NO. 53919

PASTERNACK® THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com