PASTERNACK
an INFINITE brand

50 Ohm SMA Female to 75 Ohm F Female Matching Pad Operating from DC to 3 GHz

Matching Pads Technical Data Sheet PE70MP1109

Features

- DC to 3 GHz Frequency Range
- Low VSWR < 1.25:1
- 0.5 W Max Power (CW)

Applications

- CATV / Cable Networks
- Test and Measurement
- Communication Systems
- Wireless Systems

Description

Pasternack's PE70MP1109 is a 50 ohm SMA female to 75 ohm F female matching pad that operates from DC to 3 GHz. This SMA to F impedance matching pad offers a low VSWR of 1.25:1 max and attenuation of 7.5 dB max. PE70MP1109 50 ohm to 75 ohm minimum loss pad has a maximum CW power rating of 0.5 Watt. Matching pads are used to match the different impedance between two devices, maximizing power transfer between the two impedances. Pasternack's minimum loss impedance matching pads are available in various connector combinations to fit your needs, all of which ship the same day.

Configuration

Connector 1	50 Ohms SMA Female
Connector 2	75 Ohms F Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR		1.15:1	1.25:1	
Attenuation		4	7.5	dB
Input Power (CW)			0.5	Watts

Electrical Specification Notes:
Impedance Matching Pads are resistive devices and are not designed as DC Pass or DC Block circuits

Mechanical Specifications

Size

Length	1.8 in [45.72 mm]
Width	0.49 in [12.45 mm]
Height	0.49 in [12.45 mm]
Weight	0.04 lbs [18.14 g]
Housing Material and Plating	Brass, Tri-Metal

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 50 Ohm SMA Female to 75 Ohm F Female Matching Pad Operating from DC to 3 GHz PE70MP1109

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

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Connectors

Description	Connector 1	Connector 2
Type	SMA Female	F Female
Impedance	50 Ohms	75 Ohms
Inner Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

50 Ohm SMA Female to 75 Ohm F Female Matching Pad Operating from DC to 3 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: 50 Ohm SMA Female to 75 Ohm F Female Matching Pad Operating from DC to 3 GHz PE70MP1109

URL: https://www.pasternack.com/sma-f-matching-pad-3-mhz-pe70mp1109-p.aspx

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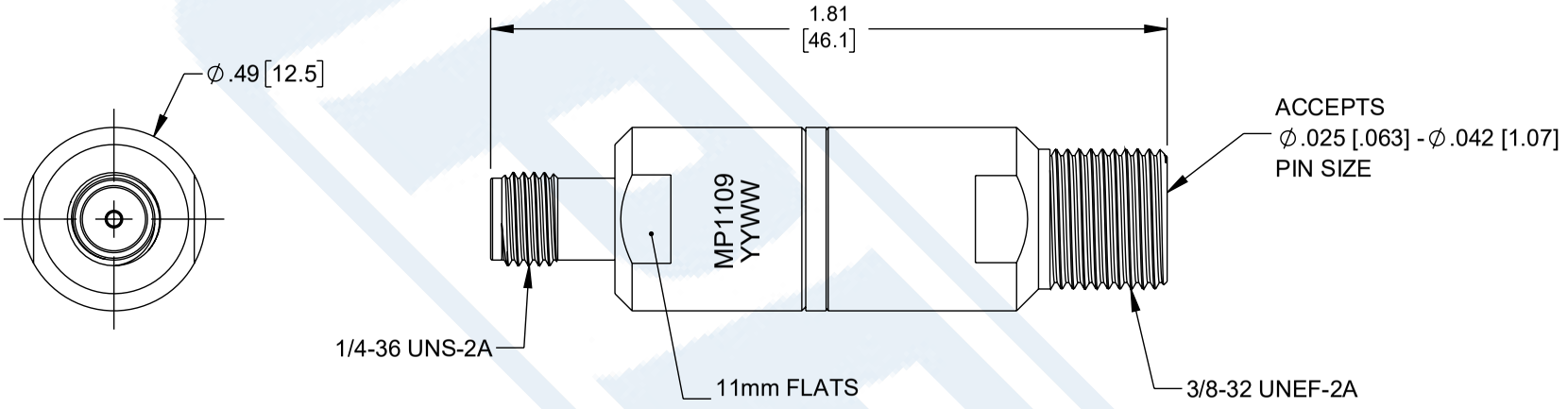
PE70MP1109 REV 1

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	3/31/2023	KDANG	SPONG



PE70MP1109 CAD Drawing

50 Ohm SMA Female to 75 Ohm F Female Matching Pad Operating from DC to 3 GHz

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [.5]	± 1/32
.XXX = ±.005 [.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
50ohm SMA Female to 75ohm F Female matching pad 3Ghz VSWR1.25

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE70MP1109	A

T-Rev.D2