

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

PE7077A



Features

- DC to 3 GHz Frequency Range
- 0.5 W Max Power (CW)
- Low VSWR < 1.25:1
- 50 Ohm/75 Ohm Impedance Matching

Applications

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

Description

Pasternack's PE7077A is a 50 ohm SMA female to 75 ohm F male 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. PE7077A 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

Design	Impedance Matching Pad
Connector 1	50 Ohms SMA Female
Connector 2	75 Ohms F Male

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.25:1	
Attenuation		4	7.5	dB
Input Power, CW			0.5	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC-0.5	0.5-1	1-3			GHz
VSWR, Max	1.1:1	1.15:1	1.25:1			

Electrical Specification Notes:

Attenuation 4 dB max from 50 Ohm port to 75 Ohm port.
Attenuation 7.5 dB max from 75 Ohm port to 50 Ohm port.

Mechanical Specifications

Size	
Length	1.953 in [49.61 mm]
Width	0.433 in [11 mm]
Height	0.433 in [11 mm]
Weight	0.0487 lbs [22.09 g]
Package Type	Connectorized

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Housing Material and Plating

Brass, Tri-Metal over Copper

Connector 1

Description	Connector
Type	SMA Female
Impedance	50 Ohms
Inner Conductor Material and Plating	Beryllium Copper, Gold over Nickel over Copper
Dielectric Type	Teflon
Body Material and Plating	Brass, Tri-Metal over Copper

Connector 2

Description	Connector
Type	F Male
Impedance	75 Ohms
Inner Conductor Material and Plating	Phosphor Bronze, Gold over Nickel over Copper
Dielectric Type	Teflon
Body Material and Plating	Brass, Tri-Metal over Copper

Environmental Specifications

Temperature

Operating Range

-30 to +70 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

50 Ohm SMA Female to 75 Ohm F Male 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 Male Matching Pad Operating from DC to 3 GHz PE7077A](#)

URL: <https://www.pasternack.com/50-ohm-sma-female-75-ohm-f-male-matching-pad-3-ghz-pe7077a-p.aspx>

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PE7077A CAD Drawing
50 Ohm SMA Female to 75 Ohm F Male Matching Pad Operating from DC to 3 GHz

