



50 Ohm SMA Female To 75 Ohm F Male Matching Pad  
Operating From 0.009 MHz to 3 GHz RoHS Compliant

Matching Pads Technical Data Sheet

PE70MP1005

**Configuration**

Design	Fixed
Connector 1	SMA Female
Connector 2	F Male

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	9 KHz		3 GHz	

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	9KHz to 2	2 to 3				GHz
Insertion Loss, Max	6	6.3				dB
Insertion Loss, Typ	5.5	5.5				dB
Return Loss, Min	25	23				dB
Return Loss, Typ	30	27				dB
Flatness	0.5	0.8				dB
VSWR	1.07:1	1.1:1				

**Mechanical Specifications**

<b>Size</b>	
Length	2.133 in [54.18 mm]
Width/Dia.	0.81 in [20.57 mm]
Height	0.81 in [20.57 mm]
Body Material and Plating	Copper

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female	F Male
Impedance	50 Ohms	75 Ohms

**Compliance Certifications** (visit [www.Pasternack.com](http://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: [50 Ohm SMA Female To 75 Ohm F Male Matching Pad Operating From 0.009 MHz to 3 GHz RoHS Compliant PE70MP1005](#)



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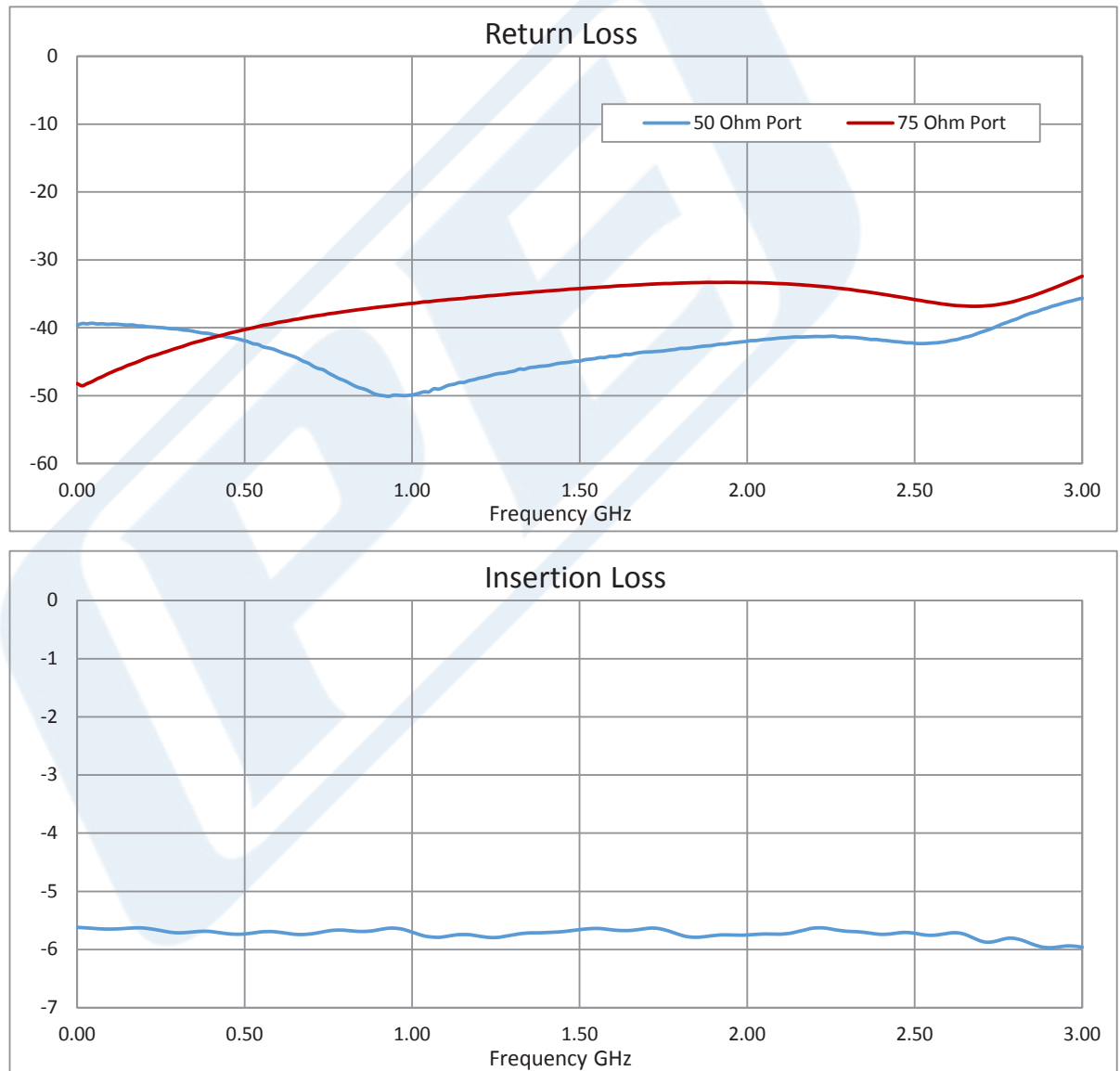
PE70MP1005

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

**Typical Performance Data**



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50 Ohm SMA Female To 75 Ohm F Male Matching Pad Operating From 0.009 MHz to 3 GHz RoHS Compliant 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.

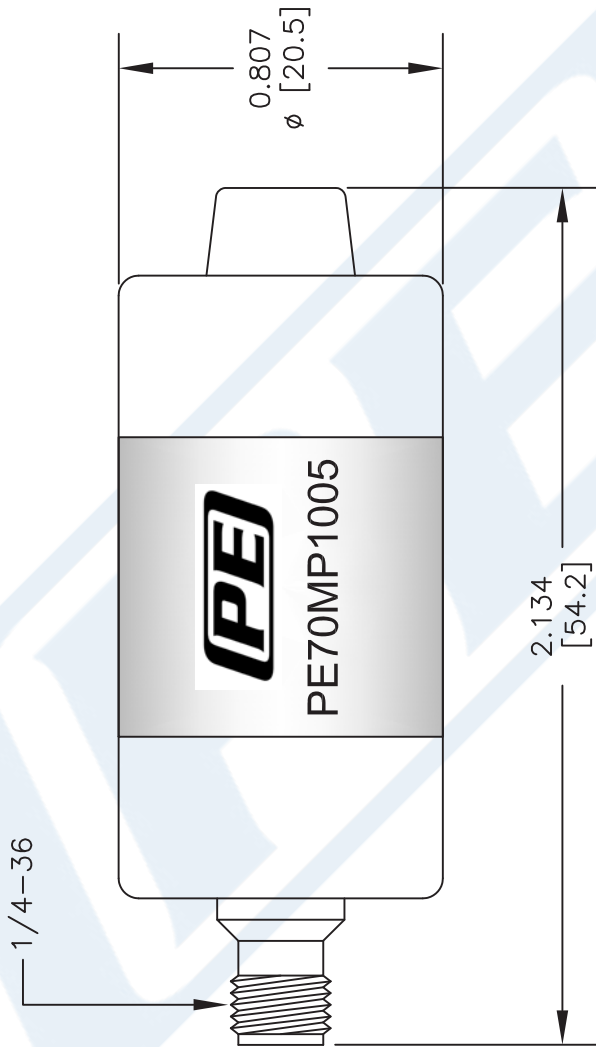
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE70MP1005 CAD Drawing

50 Ohm SMA Female To 75 Ohm F Male Matching Pad Operating  
From 0.009 MHz to 3 GHz RoHS Compliant



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  
**PE70MP1005**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 052815



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