



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

Matching Pads Technical Data Sheet

PE70MP1007

**Configuration**

Design	Fixed
Connector 1	SMA Male
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**

**Size**

Length	2.25 in [57.15 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 Male	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 Male To 75 Ohm F Male Matching Pad Operating From 0.009 MHz to 3 GHz RoHS Compliant PE70MP1007](#)





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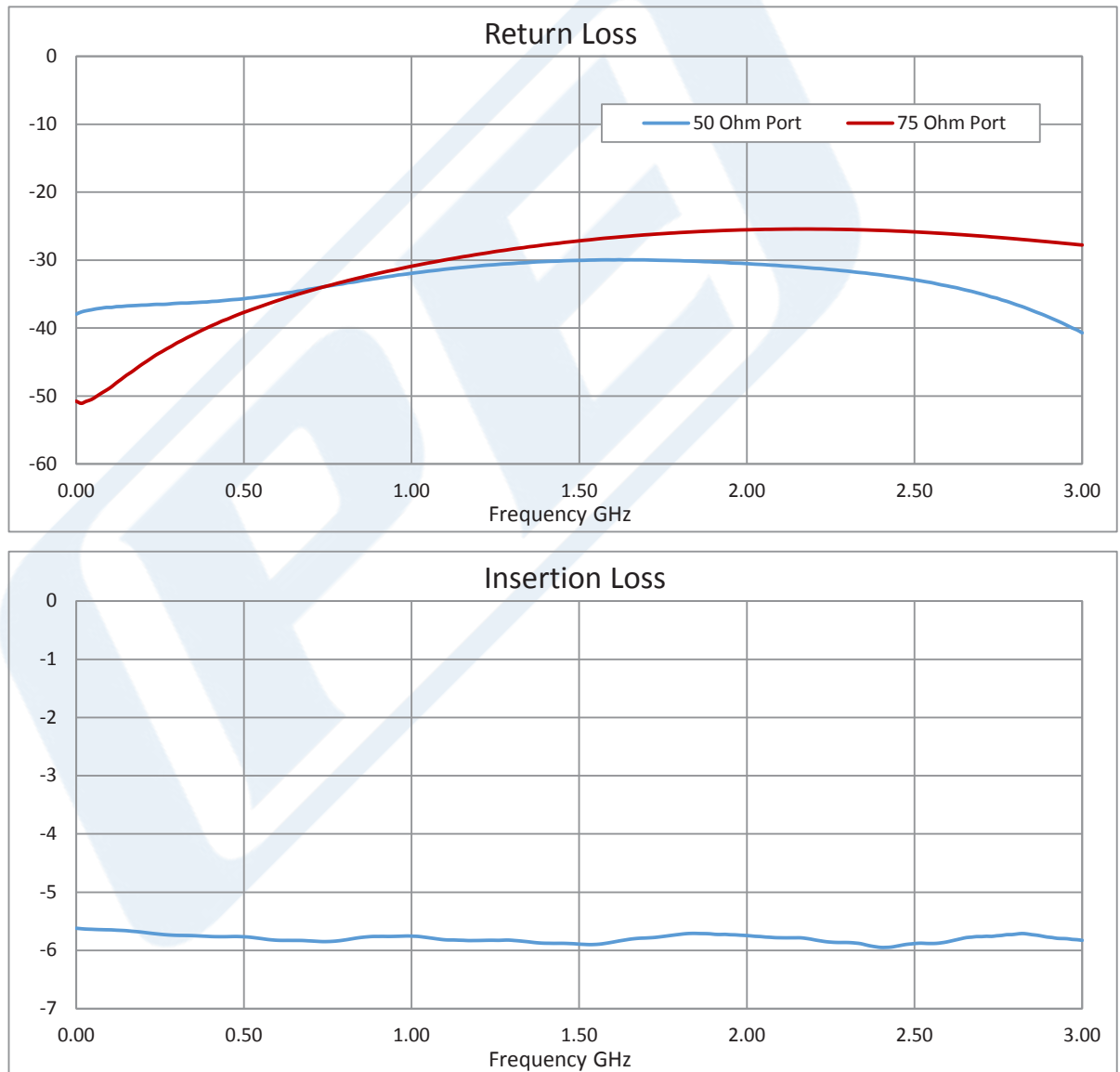
PE70MP1007

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

**Typical Performance Data**



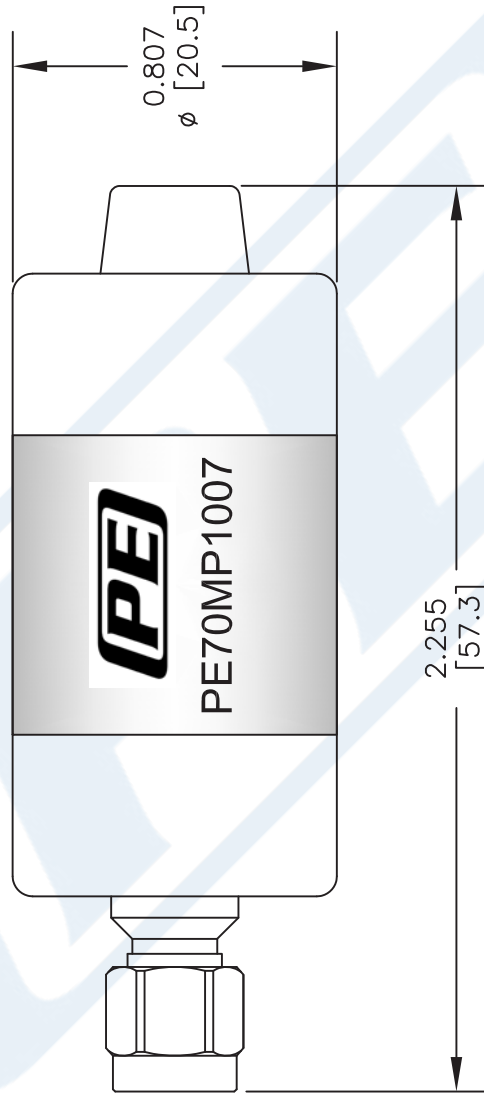
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# PE70MP1007 CAD Drawing

50 Ohm SMA Male To 75 Ohm F Male Matching Pad Operating  
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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  
**PE70MP1007**

FSCM NO. 53919

CAD FILE 052815

SCALE N/A

SIZE A

2233

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