


**QMA Male Connector Solder Attachment For
PE-SR405AL, PE-SR405FL, RG405**
TECHNICAL DATA SHEET
PE44495
QMA Male Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405
Configuration

Connector	QMA Male
Connector Interface Type	PE-SR405AL, PE-SR405FL, RG405
Cable Attachment Method (Shield/Contact)	Solder/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Size	
Length, in [mm]	0.665 [16.89]
Width/Dia., in [mm]	0.413 [10.49]
Weight, lbs [g]	0.006 [2.72]

Connector

Type	QMA Male
Contact Material and Plating	Gold
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Gold
Dielectric Type	PTFE

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

RoHS Compliant	Yes
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Plotted and Other Data

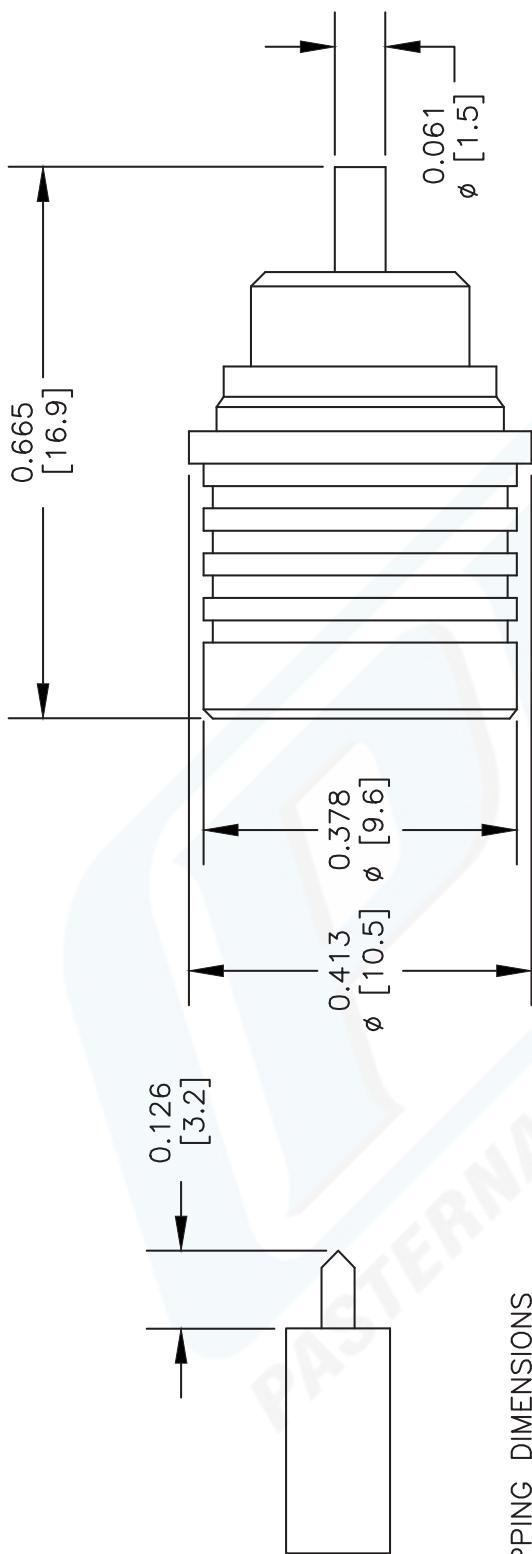
Notes:	Values at 25 °C, sea level
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QMA Male Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 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: [QMA Male Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405 PE44495](http://www.pasternack.com/qma-male-standard-pe-sr405al-pe-sr405fl-r405-connector-pe44495-p.aspx)

URL: <http://www.pasternack.com/qma-male-standard-pe-sr405al-pe-sr405fl-r405-connector-pe44495-p.aspx>

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.



STRIPPING DIMENSIONS
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

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].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

PASTERNAK®	DWG TITLE
PE	PE44495
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	
FSCM NO. 53919	CAD FILE 042307
	SCALE N/A
	SIZE A
	127

MMBX Plug Right Angle Snap-On Connector Solder Attachment for RG405, PE-SR405FL, PE-SR405FLJ, with male center contact



RF Connectors Technical Data Sheet

PE45257

Configuration

- Snap-On MMBX Plug Connector
- 50 Ohms
- Right Angle Body Geometry

- RG405, PE-SR405FL, PE-SR405FLJ Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector

- Reliable Snap-On connection method
- Small circuit footprint for high density applications
- Mechanical misalignment tolerance of 4.5°/0.7mm Max

Applications

- General Purpose Test
- Custom Cable Assemblies
- Low cost blind mate interconnect

- Multi circuit board radios

- Board to board applications requiring multiple coaxial connections

Description

Pasternack's PE45257 MMBX plug right angle snap-on connector solder attachment for RG405, PE-SR405FL, PE-SR405FLJ is part of our full line of RF components available for same-day shipping. Our MMBX plug connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated.

Our MMBX plug right angle connector PE45257 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable connector assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.2:1	
Insertion Loss		0.18		dB
Operating Voltage (DC)		250		Vdc
Dielectric Withstanding Voltage (DC)		750		Vdc
Insulation Resistance	1,000			MOhms

Electrical Specification Notes:
MMBX Plug has a male center contact

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMBX Plug Right Angle Snap-On Connector Solder Attachment for RG405, PE-SR405FL, PE-SR405FLJ, with male center contact PE45257](#)

MMBX Plug Right Angle Snap-On Connector Solder Attachment
 for RG405, PE-SR405FL, PE-SR405FLJ, with male center contact



RF Connectors Technical Data Sheet

PE45257

Mechanical Specifications

Size	
Length	0.4 in [10.16 mm]
Width/Dia.	0.24 in [6.10 mm]
Weight	0.00672 lbs [3.05 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Outer Conductor	Brass	Gold
Body	Brass	Gold

Environmental Specifications

Temperature

Operating Range

-55 to +155 deg C

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MMBX Plug Right Angle Snap-On Connector Solder Attachment
for RG405, PE-SR405FL, PE-SR405FLJ, with male center contact



RF Connectors Technical Data Sheet

PE45257

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

Plotted and Other Data

Notes:

MMBX Plug Right Angle Snap-On Connector Solder Attachment for RG405, PE-SR405FL, PE-SR405FLJ, with male center contact 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.

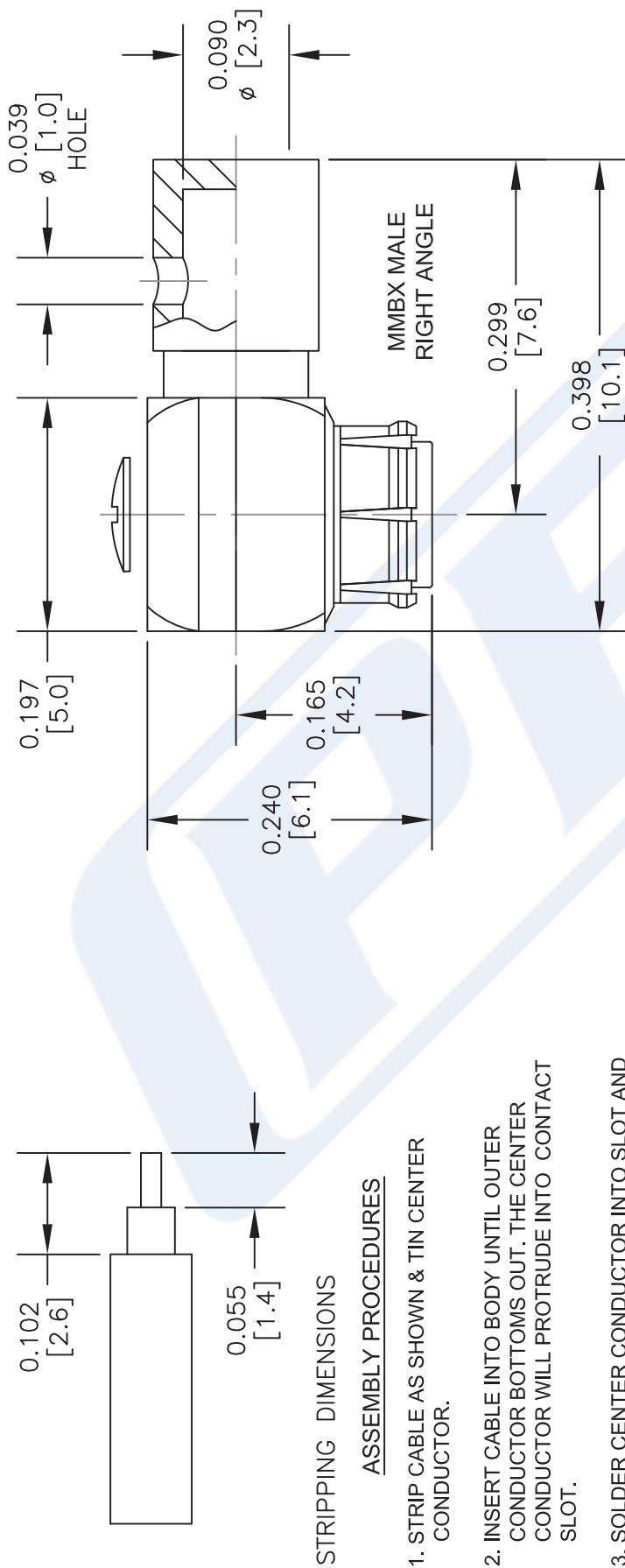
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URL: <https://www.pasternack.com/mmbx-plug-snap-on-rg405-pe-sr405fl-pe-sr405flj-connector-pe45257-p.aspx>

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PE45257 CAD Drawing

MMBX Plug Right Angle Snap-On Connector Solder Attachment for
RG405, PE-SR405FL, PE-SR405FLJ, with male center contact



STANDARD TOLERANCES		
.X	± 0.2	
.XX	± 0.1	
.XXX	± 0.05	

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	PE45257
FSCM NO. 53919	CAD FILE 092816 SCALE N/A SIZE A 2233

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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

086 Semi-rigid Coax Cable with Copper Outer Conductor

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	5,000

Electrical Specifications by Frequency

Frequency 1	
Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	22 [72.18]
Power Handling, Watts	130

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	80 [262.47]
Power Handling, Watts	35

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	120 [393.7]
Power Handling, Watts	20

Mechanical Specifications

Temperature	
Operating Range, deg C	-55 to +125

Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.066 [1.68]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Copper Outer Conductor RG405/U](#)

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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.087 [2.21]

Jacket:

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.015 [0.02]

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

RoHS Compliant	Yes
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Plotted and Other Data

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URL: <http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx>

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