

QMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



PE44498

Configuration

- QMA Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.35:1
- PIM levels lower than -130 dBc
- Gold over Nickel Plated Brass Contact
- 0.15 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44498 Right Angle QMA Male Connector Solder/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 Cable is part of our full line of RF components available for same-day shipping. Our QMA male connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.35:1. The QMA male connector also has low passive intermodulation of -130 dBc. Its right angle body geometry allows for easier connections in tight spaces.

Our QMA male right angle connector PE44498 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 assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	
Passive Intermodulation IM3 (2x43dBm Tones) using 2x20W tones			-130	dBc
Operating Voltage (AC)			335	Vrms
Test Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 4	4 to 6			GHz
VSWR, Max	1.06:1	1.09:1	1.12:1			

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Electrical Specification Notes:

RF leakage: 95 dB (up to 2 GHz), 80 dB (up to 4 GHz), 70 dB (up to 6 GHz) min.

Insertion loss = $0.05 \times \sqrt{f(\text{GHz})}$ dB max up to 6 GHz.

Mechanical Specifications

Size

Length	0.724 in [18.39 mm]
Width	0.413 in [10.49 mm]
Height	0.496 in [12.6 mm]
Weight	0.016 lbs [7.26 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel 0.15 µm minimum
Insulation	PTFE	
Outer Conductor	Spring Bronze	Tri-Metal
Body	Brass	Gold 0.15 µm minimum

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C
Humidity	IEC 60169-1 16.3 (96 hours)
Vibration	IEC 60068-2-64 random
Thermal Shock	IEC 60169-1 16.4 (-40/+85°C)
Salt Spray	IEC 60109-1 16.7 (48 hrs)

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

Plotted and Other Data

Notes:

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QMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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: [QMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44498](https://www.pasternack.com/qma-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-pe-sr402tn-rg402-pe44498.html)

URL: <https://www.pasternack.com/qma-male-standard-pe-sr402al-pe-sr402fl-pe-sr402fl-rg402-connector-pe44498.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE44498 CAD Drawing

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