

QMA Male to QMA Male Right Angle Cable Using RG142 Coax



PE3C2879

Configuration

- Connector 1: QMA Male
- Connector 2: QMA Male Right Angle
- Cable Type: RG142
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 69.2% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2879 QMA male to QMA male right angle cable using RG142 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack QMA to QMA cable assembly has a male to male gender configuration with 50 ohm flexible RG142 coax. The right angle QMA interface on the RG142 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation | | 69.2 | | % |
| RF Shielding | 90 | | | dB |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Mechanical Specifications

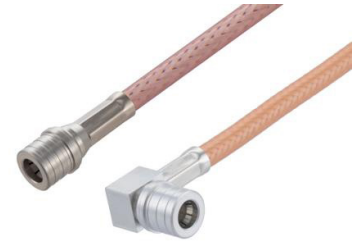
Cable Assembly

| | |
|----------------|---------------------|
| Width/Diameter | 0.5 in [12.7 mm] |
| Weight | 0.074 lbs [33.57 g] |

Cable

| | |
|------------|---------|
| Cable Type | RG142 |
| Impedance | 50 Ohms |

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| | |
|--------------------------------------|----------------------------|
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.195 in [4.95 mm] |
| One Time Minimum Bend Radius | 0.984 in [24.99 mm] |
| Repeated Minimum Bend Radius | 2 in [50.8 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------|---------------|----------------------|
| Type | QMA Male | QMA Male Right Angle |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Right Angle |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3C2879

Typical Performance Data

How to Order

Part Number Configuration:

PE3C2879

- **xx**

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C2879-12 = 12 inches long cable
PE3C2879-100cm = 100 cm long cable

QMA Male to QMA Male Right Angle Cable Using RG142 Coax 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.

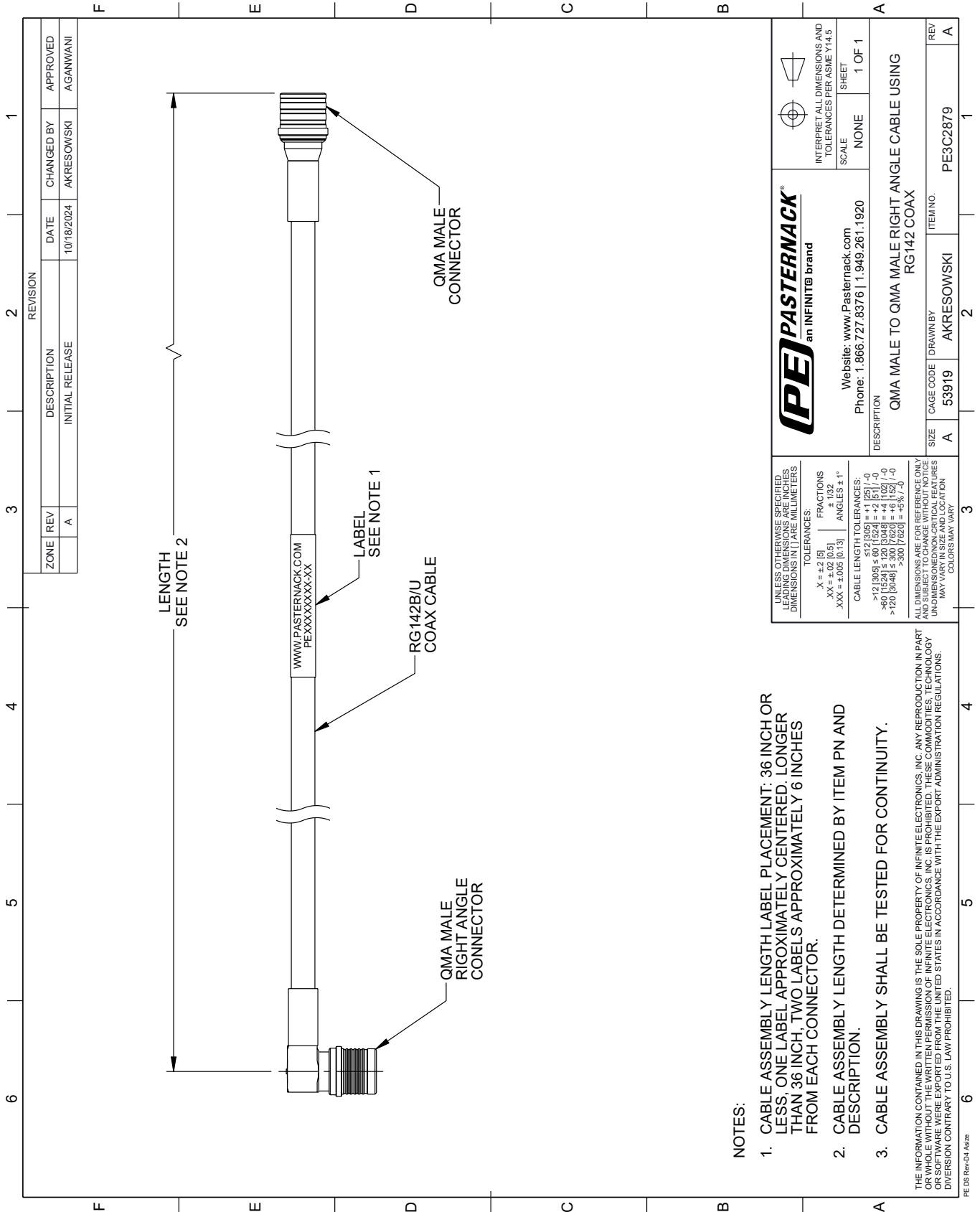
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male to QMA Male Right Angle Cable Using RG142 Coax PE3C2879](#)

URL: <https://www.pasternack.com/qma-male-qma-male-rg142bu-cable-assembly-pe3c2879-p.aspx>

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.

PE3C2879 CAD Drawing

QMA Male to QMA Male Right Angle Cable Using RG142 Coax




NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

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PE DS Rev-04 Add2

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|--|---|---|
|  <p>an INFINITE brand</p> | <p>Website: www.Pasternack.com</p> <p>Phone: 1.866.727.8376 1.949.261.1920</p> | <p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p> |
| | <p>DESCRIPTION: QMA MALE TO QMA MALE RIGHT ANGLE CABLE USING RG142 COAX</p> | |
| <p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES:</p> <p>.X = ±.2 [5]</p> <p>.XX = ±.02 [0.5]</p> <p>.XXX = ±.005 [0.13]</p> <p>FRACTIONS: ± 1/32</p> <p>ANGLES ± 1°</p> <p>CABLE LENGTH TOLERANCES:</p> <p><12 [305] ±.60 [1524] = ±.2 [51] / -0</p> <p>>12 [305] ≤.60 [1524] = ±.2 [51] / -0</p> <p>>.60 [1524] ≤.120 [3048] = ±.4 [102] / -0</p> <p>>.120 [3048] ≤.300 [7620] = ±.6 [152] / -0</p> | <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p> | <p>ITEM NO. PE3C2879</p> |
| <p>SIZE: A</p> | <p>CAGE CODE: 53919</p> | <p>DRAWN BY: AKRESOWSKI</p> |