

PSF-402 Patch Cable N Female to QMA Male Right Angle, 50cm

SKU: ACC-PT-00365
 MPN: CA-R402-N2QA1RA.050
 Barcode: 9337692002557

Description

The PSF-402 Patch Cable N Female to QMA Male Right Angle, 50cm, is a high-performance RF coaxial cable developed by Powertec. This cable features a PSF-402 type, 0.141" semi-flexible, low-loss design with a distinctive bright blue 4.2 mm outer jacket. It is capable of supporting frequencies up to 34 GHz, making it an efficient balance between performance and cost for various RF applications.

The cable's construction includes a tin-soaked copper braid providing near-total RF shielding, while its malleable outer jacket prevents solder joint failures, allowing bends immediately behind the fillet. This design ensures easy forming, excellent shielding, and very low Passive Intermodulation (PIM), rated at -120 dBc. The cable is 0.5 m long, weighs 63 grams, and withstands over 500 mating cycles.

One end of the cable features an N Female connector with a straight body and bulkhead mount, while the other end has a QMA Male connector with a right...

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RF Specification

| | | | |
|------------------|--|-----------------|-------|
| Start Frequency: | 0 GHz | Stop Frequency: | 6 GHz |
| PIM, 3rd Order: | -120 dBc | | |
| VSWR Measurement | Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ... | | |

Frequency

3000 MHz

6000 MHz

VSWR $\leq 1.2:1$ $\leq 1.5:1$

Physical Specification

| | | | |
|----------|-------------|---------|-------|
| Subtype: | Patch Cable | Length: | 0.5 m |
|----------|-------------|---------|-------|

| | | | |
|----------------|-------|---------|------|
| Mating Cycles: | > 500 | Weight: | 63 g |
|----------------|-------|---------|------|

| | |
|----------------------------|-----------------------------|
| Compliance/Certifications: | ISO 9001 Quality Management |
|----------------------------|-----------------------------|

RoHS

RF Connectors**RF Interface**

N Female

QMA Male

Body Shape

Straight

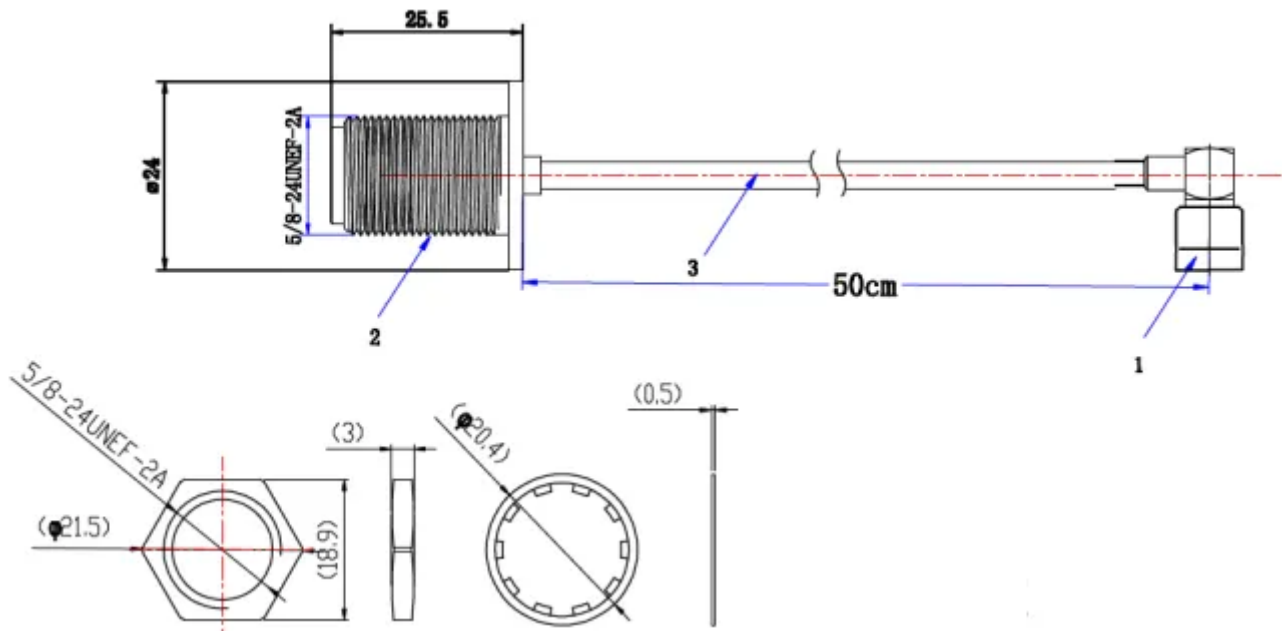
Right Angle

Mounting

Bulkhead

Free Hanging

Drawing



PSF-402

| | | | |
|---------------------------|-------|--------------------------|----------|
| Min. Frequency: | 0 GHz | Max. Frequency: | 34 GHz |
| Impedance: | 50 | Shielding Effectiveness: | > 110 dB |
| Min. Bend Radius Static: | 8 mm | Colour: | Blue |
| Min. Bend Radius Dynamic: | 40 mm | | |

Cable Layers

| Layer | Diameter | Materials |
|-----------------|----------|---------------------------|
| Inner Conductor | 0.93 mm | Silver Plated Copper (SC) |
| Dielectric | 3.00 mm | PTFE / Teflon |
| Outer Conductor | 3.52 mm | Tin Soaked Copper Braid |
| Outer Jacket | 4.20 mm | Polyolefin LSZH |

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