Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

# RG-402 Patch Cable SMA Female to QMA Male Right Angle 50cm

SKU
ACC-PT-00366
MPN
CA-R402-SA2QA1RA.050
Barcode
9337692002564

**Description**

The RG-402 Patch Cable, model ACC-PT-00366 by Powertec, is a high-performance coaxial connector designed for efficient RF applications. With a length of 50 cm and weighing 63 grams, this cable features an SMA Female connector with a straight body and a QMA Male connector with a right-angle body. The cable's PSF-402 type, a 0.141" semi-flexible low loss coaxial cable, is designed with a bright blue 4.2 mm outer jacket, enabling use in applications up to 34 GHz.

The PSF-402 series offers hand-formable, microwave-grade flexibility with mode-free operation. It ensures excellent RF shielding, thanks to its tin-soaked copper braid, and eliminates solder joint failures due to its malleable jacket. This cable supports a frequency range of 0 to 6 GHz and has a 3rd Order PIM rating of -120 dBc. It withstands over 500 mating cycles, making it durable for repeated use.

Performance is highlighted by a VSWR of ≤ 1.2:1 at 3000 MHz and ≤ 1.5:1 at 6000...

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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 ...

# RF Specification

Start Frequency
0 GHz
PIM, 3rd Order
-120 dBc
Stop Frequency
6 GHz
VSWR Measurement

| Frequency | VSWR |
|---|---|
| 3000 MHz | ≤ 1.2:1 |
| 6000 MHz | ≤ 1.5:1 |

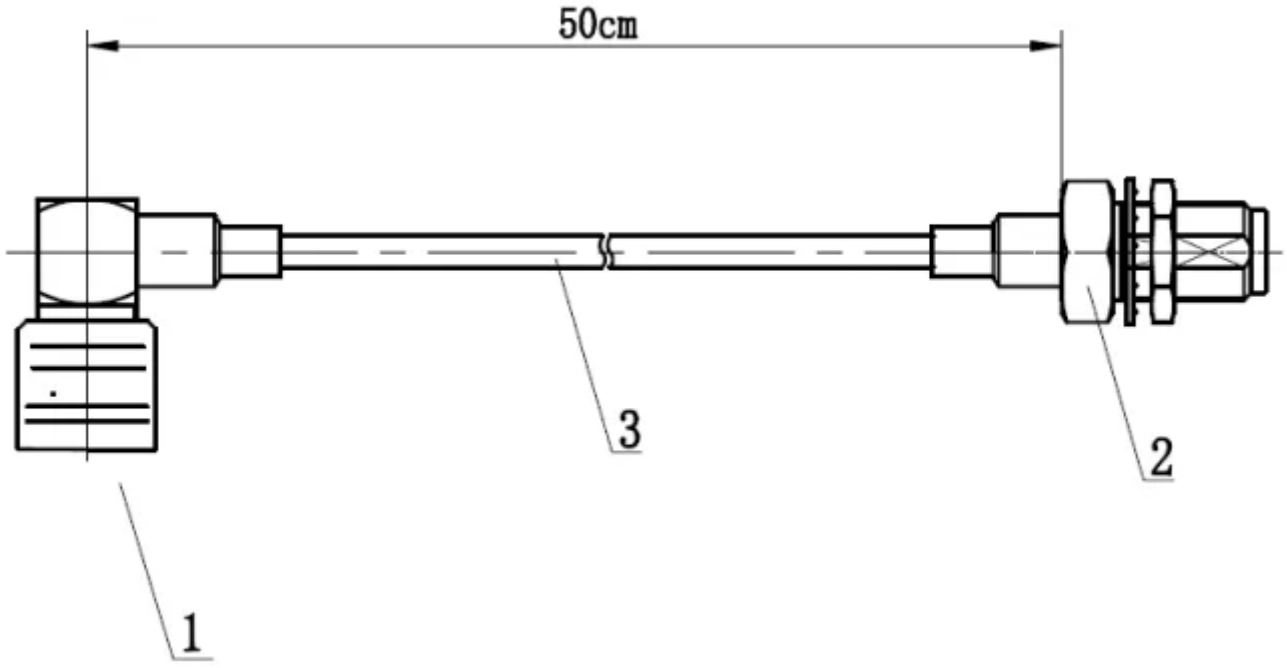
# Physical Specification

Subtype
Patch Cable
Mating Cycles
> 500
Compliance/Certifications

ISO 9001 Quality Management
,
RoHS
Length
0.5 m
Weight
63 g
RF Connectors

| RF Interface | Body Shape | Mounting |
|---|---|---|
| SMA Female | Straight | Bulkhead |
| QMA Male | Right Angle | Free Hanging |

Drawing




## PSF-402

Min. Frequency
0 GHz
Impedance
50 Ω
Min. Bend Radius Static
8 mm
Min. Bend Radius Dynamic
40 mm
Max. Frequency
34 GHz
Shielding Effectiveness

> 110 dB

Colour

Blue

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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