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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 $\leq 1.2:1$ at 3000 MHz and $\leq 1.5:1$ at 6000...

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Powertec

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 $\leq 1.2:1$

6000 MHz $\leq 1.5:1$

Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

Length

0.5 m

Weight

63 g

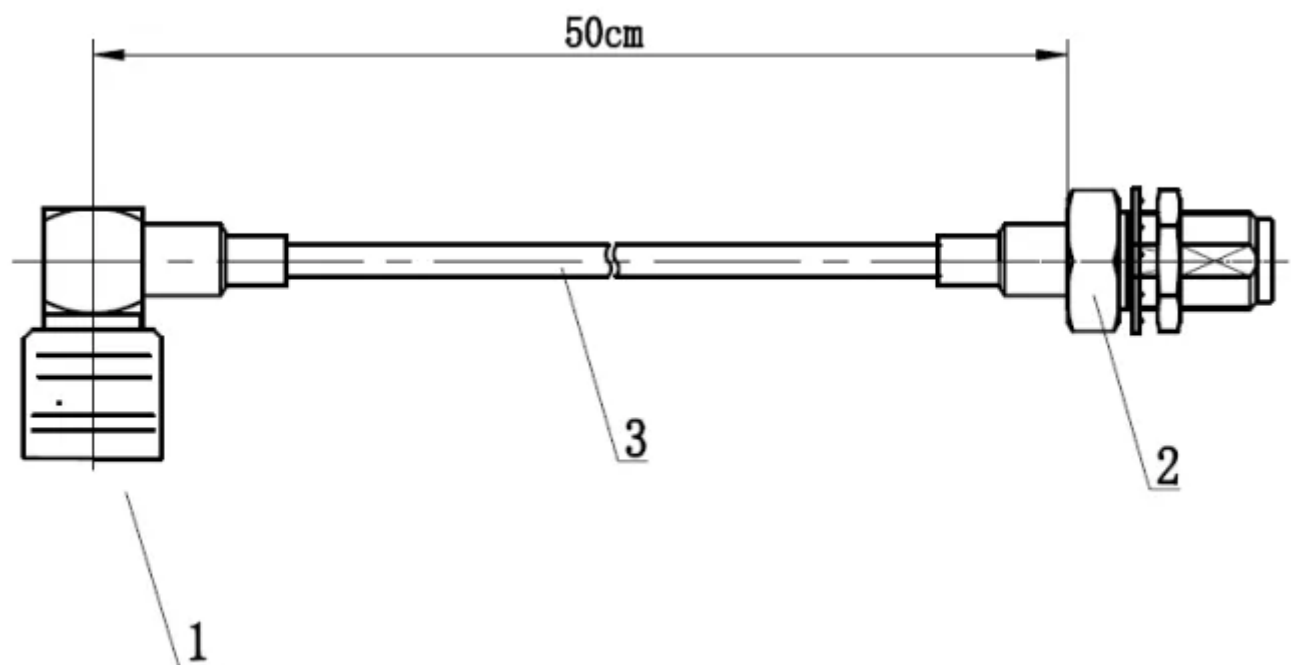
RF Connectors

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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