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Page



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RG-402 Patch Cable N Female to SMA Male Low PIM 30cm

SKU ACC-PT-00363 MPN CA-R402-N2SA1.030 Barcode 9337692002533

Description

The RG-402 Patch Cable N Female to SMA Male, 30cm (SKU: ACC-PT-00363) by Powertec is a high-performance coaxial cable designed for reliable RF connections. This patch cable features the PSF-402 series, a 0.141" semi-flexible, low-loss coaxial cable with a distinctive blue 4.2 mm outer jacket. It supports frequencies up to 34 GHz, making it an ideal choice for applications requiring efficient performance and cost-effectiveness.

The PSF-402 cable is hand-formable and microwave-grade, ensuring mode-free operation up to 34 GHz. Its tin-soaked copper braid provides near-complete RF shielding, and the malleable outer jacket reduces solder joint failures, allowing bends close to the fillet. The cable is 0.3 m long and weighs 58 g, withstanding over 500 mating cycles. It operates effectively between 0 and 6 GHz, with a 3rd Order PIM rating of -120 dBc.

This cable assembly meets ISO 9001 and RoHS certifications, ensuring quality and environmental...



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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

 $\begin{array}{ll} 3000 \text{ MHz} & \leq 1.2:1 \\ 6000 \text{ MHz} & \leq 1.5:1 \end{array}$

Physical Specification

Subtype <u>Patch Cable</u> Mating Cycles > 500 Compliance/Certifications

ISO 9001 Quality Management

RoHS Length 0.3 m Weight 58 g

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RF Connectors

RF Interface Body Shape Mounting

N Female	<u>Straight</u>	Free Hanging
SMA Male	<u>Straight</u>	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

4.20 mm Polyolefin LSZH

Outer Jacket

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