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4.3-10 Male Connector for L-240 Coaxial Cable

SKU
IBC-PT-00020
MPN
431-C-L24
Barcode
9337692002335

Description

The 4.3-10 Male Connector, designed by Powertec (Part No. 431-C-L24), is tailored for seamless integration with L-240 coaxial cables. This RF connector features a straight, free-hanging design and utilises a crimp attachment method for reliable performance. Constructed with a brass body plated with nickel and brass inner contacts plated with silver, it ensures durability and optimal conductivity. The PTFE/Teflon insulator contributes to its robust design, allowing the connector to endure over 500 mating cycles.

The connector operates efficiently within a temperature range of $-55\text{ }^{\circ}\text{C}$ to $155\text{ }^{\circ}\text{C}$ and supports frequencies from 0 to 6.0 GHz. It maintains an input impedance of $50\text{ }\Omega$ and an impressive insulation resistance of $\geq 5000\text{ m}\Omega$. The maximum RF operating voltage is $\leq 1000\text{ Vrms}$, and it achieves a VSWR of $\leq 1.35:1$ at 6000 MHz, ensuring minimal signal loss and high performance.

As an Australian company established in 1995, Powertec is a leader...

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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 Connector Interface

RF Interface Body Shape Mounting

[4.3-10 Male](#) [Straight](#) [Free Hanging](#)

RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

Input Impedance

50 Ω

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

RF Operating Voltage

$\leq 1000 \text{ Vrms}$

VSWR Measurement

Frequency VSWR

6000 MHz $\leq 1.35:1$

Physical Specification

Cable Group

[L-240](#)

Body Material

[Brass](#)

Body Plating

[Nickel](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

28.00 × 8.00

Conductor Attachment

[Cable, Crimp](#)

Contact Material

[Brass](#)

Contact Plating

[Silver](#)

Min. Operating Temperature

-55 °C

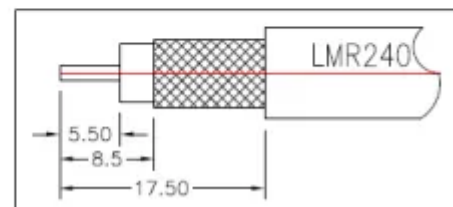
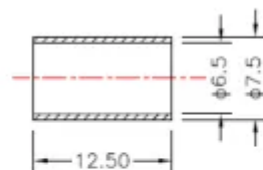
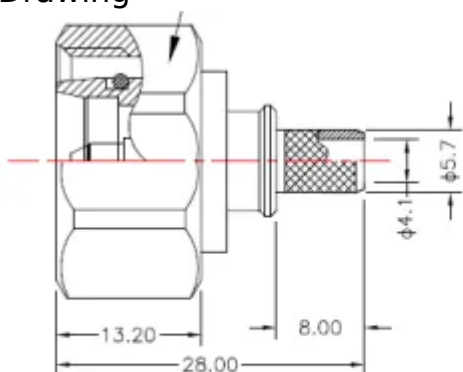
Max. Operating Temperature

155 °C

Mating Cycles

> 500

Drawing



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