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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 °C to 155 °C and supports frequencies from 0 to 6.0 GHz. It maintains an input impedance of 50 Ω and an impressive insulation resistance of ≥ 5000 mΩ. The maximum RF operating voltage is ≤ 1000 Vrms, and it achieves a VSWR of ≤ 1.35:1 at 6000 MHz, ensuring minimal signal loss and high performance.

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RF Connector Interface

RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging

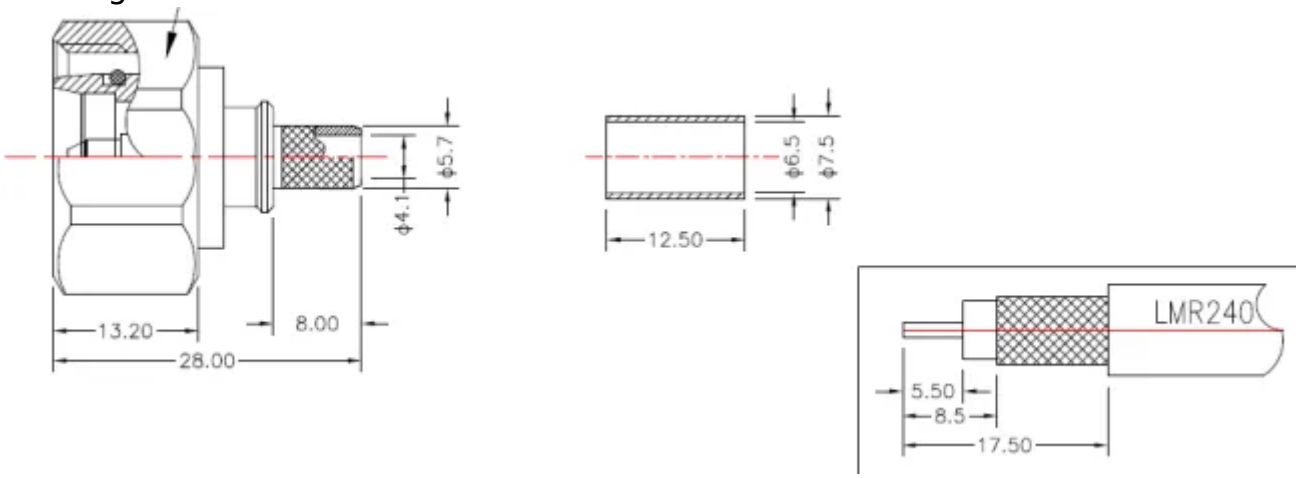
RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
Input Impedance
50 Ω
Insulation Resistance
≥ 5000 mΩ
RF Operating Voltage
≤ 1000 Vrms
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 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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