Powertec Wireless Technology
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Powertec RF Termination Load, 5 W, DC to 3800 MHz, 4.3-10 Male

SKU
IBC-PT-00034
MPN
PCM-TL5-6938.432
Barcode
9337692001710

Description

The Powertec RF Termination Load, Model PCM-TL5-6938.432, is designed for optimal performance in RF passive applications. This 5 W load operates effectively across a frequency range from 698 MHz to 3800 MHz, making it suitable for a wide variety of wireless technologies. Featuring a 4.3-10 Male connector, it offers reliable connectivity with an input impedance of 50 Ω. The product's 3rd Order PIM rating of -155 dBc ensures minimal passive intermodulation, crucial for maintaining signal integrity in high-performance systems.

Measuring 181 mm in length and 50 mm in diameter, the termination load is compact yet robust, with an IP65 ingress protection rating, providing excellent resistance against dust and water. It operates efficiently within a temperature range of -25 °C to 50 °C, suitable for diverse environmental conditions. The load maintains a VSWR of less than 1.3:1 across its operating frequencies, ensuring minimal signal reflection...

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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

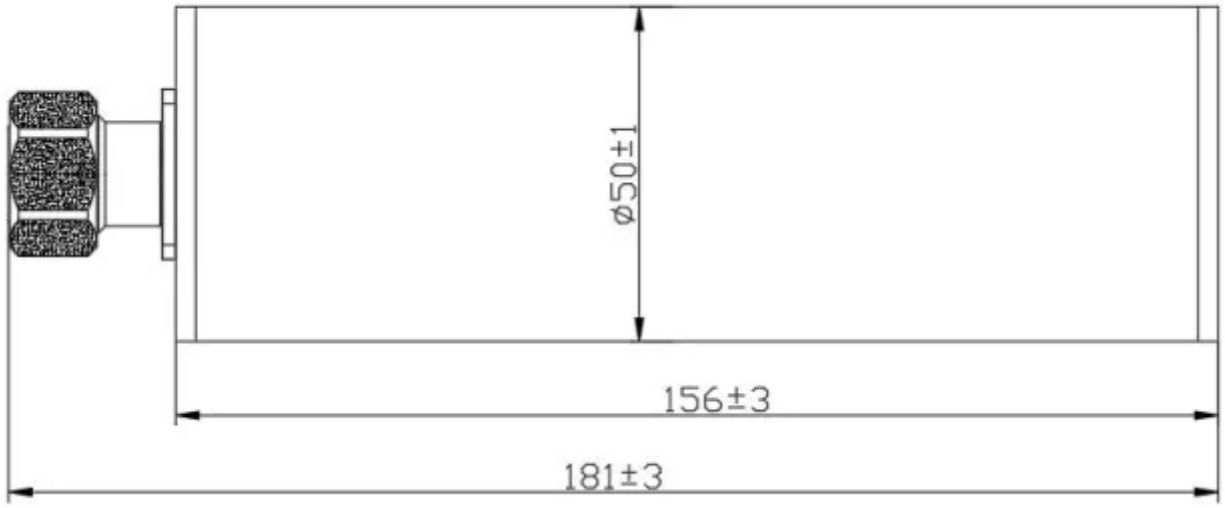
Min. Frequency
698 MHz
Max. Frequency
3800 MHz
Input Impedance
50 Ω
Max. Input Power
5 W
PIM, 3rd Order
-155 dBc
Frequency Test Data

Start Frequency	Stop Frequency	VSWR
698 MHz	3800 MHz	< 1.25:1

Physical Specification

Input Ports
1

Output Ports
1
Subtype
Terminator / Load
Ingress Protection
IP65
Dimensions
181x50
Weight
0.7 kg
Min. Operating Temperature
-25 °C
Max. Operating Temperature
50 °C
Compliance/Certifications
RoHS
Drawing



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