

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 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$, 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

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RF Specification

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

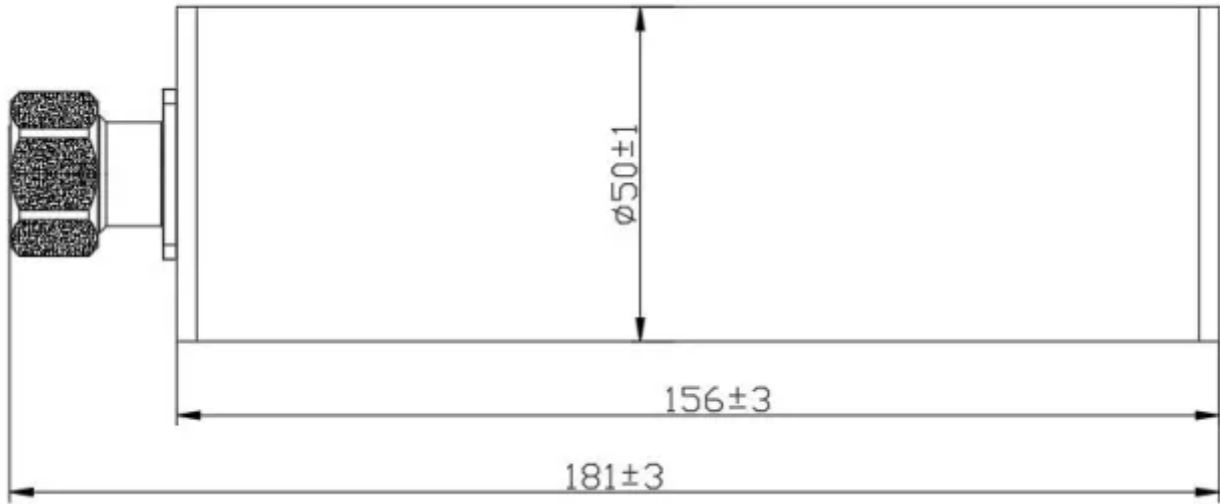
Frequency Test Data

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

Physical Specification

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

Drawing



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