

Powertec Wireless Technology ABN: 42 082 948 463 PO Box 1034, Ashmore City Queensland, Australia, 4214 sales@powertec.com.au 1300 769 378

# 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  $\Omega$ . 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...

Read More





#### 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** Specification

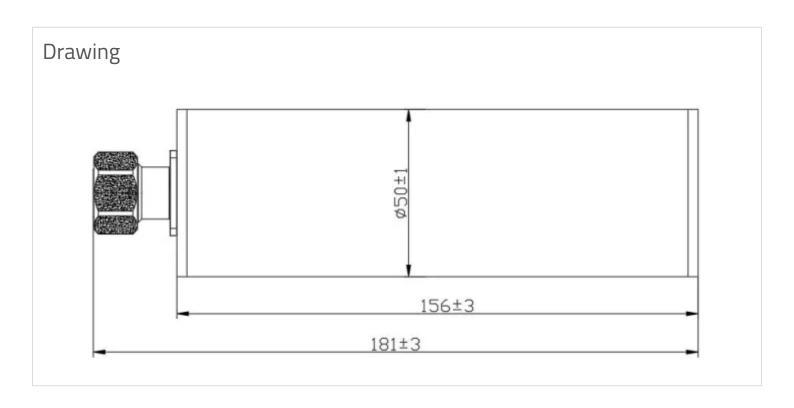
Min. Frequency:	698 MHz	Input Impedance:	50	
Max. Frequency:	3800 MHz	Max. Input Power:	5 W	
		PIM, 3rd Order:	-155 dBc	

### 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		



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

