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

CommScope CMAX-O-43-UW-153 Cell-Max(tm) Low PIM Omni Inbuilding Antenna, 617-6000 MHz

SKU ACC-CS-00018 MPN CMAX-O-43-UW-I53

Description

The CommScope CMAX-O-43-UW-153 Cell-Max Low PIM Omni In-building Antenna is a versatile solution designed for seamless integration into complex network environments. Operating across a broad frequency range of 617-6000 MHz, this antenna is ideal for 4G and 5G applications, offering reliable performance in diverse conditions with a temperature range of -40 °C to 60 °C. Its robust ASA plastic and polycarbonate construction ensures durability, while its lightweight design at 0.6 kg facilitates easy installation.

This omni-directional antenna features a 1x1 SISO configuration, delivering consistent RF performance with a 3rd Order PIM rating of -153 dBc and a 50 Ω impedance, supporting up to 100 W of input power. With a single 4.3-10 Female interface, it ensures straightforward connectivity and integration into existing systems. The antenna offers peak gain values ranging from 2.1 dBi to 5.4 dBi across various frequency bands, maintaining a...

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RF Specification

Cable 1: 4G-5G

Start Frequency 617 MHz Stop Frequency 5925 MHz Max. Input Power 100 W Polarisation Vertical (V) Input Impedance 50 Ω **RF** Connectors Ports RF Interface Body Shape Length 500 mm 1 4.3-10 Female Straight Frequency Test Data

Start Freq. Stop Freq. Peak Gain Return Loss VSWR Azimuth

| 698 MHz | 2.1 dBi | > 11.7 dB | < 1.7:1 360° |
|----------|--|--|--|
| 960 MHz | 2.1 dBi | > 11.4 dB | < 1.5:1 360° |
| 1600 MHz | 3 dBi | > 11.7 dB | < 1.7:1 360° |
| 2700 MHz | 4 dBi | > 14 dB | < 1.5:1 360° |
| 4200 MHz | 4.3 dBi | > 12.7 dB | < 1.6:1 360° |
| 5925 MHz | 5.4 dBi | > 12.7 dB | < 1.6:1 360° |
| | 698 MHz 960 MHz 1600 MHz 2700 MHz 4200 MHz 5925 MHz | 698 MHz2.1 dBi960 MHz2.1 dBi1600 MHz3 dBi2700 MHz4 dBi4200 MHz4.3 dBi5925 MHz5.4 dBi | 698 MHz2.1 dBi> 11.7 dB960 MHz2.1 dBi> 11.4 dB1600 MHz3 dBi> 11.7 dB2700 MHz4 dBi> 14 dB4200 MHz4.3 dBi> 12.7 dB5925 MHz5.4 dBi> 12.7 dB |

Physical Specification

Input Ports 1 MIMO 1x1 SISO Min. Operating Temperature -40 °C Max. Operating Temperature 60 °C PIM. 3rd Order -153 dBc **Dimensions** 82 x 206 **Materials** ASA Plastic, Polycarbonate (PC) Weight 0.6 kg Compliance/Certifications ISO 9001 Quality Management

RoHS

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