

Features

Omnidirectional

Medium gain SISO LTE omnidirectional pattern.

Wide bandwidth

Wide frequency range (698-2700MHz) supporting LTE connectivity in any location.

Robust design

IP67 rated, highly durable housing.

Application

- Remote Site Connectivity
- Public Safety and Mission Critical Connectivity
- Event Connectivity
- LTE Office Connectivity
- Rural and Urban Locations Connectivity

Requires 1 unit per 3G modem, 2 units per LTE modem

Contact Us

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ACW-852

Medium gain SISO LTE antenna with the omnidirectional pattern.

Specification

Cellular

Antenna elements	1 element
Peak Gain & Frequencies	Gain: 2.83dBi Efficiency:> 62%@ 698MHz Gain: 2.78dBi Efficiency:> 99%@ 800MHz Gain: 3.28dBi Efficiency:> 86%@ 960MHz Gain: 3.98dBi Efficiency:> 56%@ 1710MHz Gain: 3.63dBi Efficiency:> 61%@ 2300MHz Gain: 3.99dBi Efficiency:> 45%@ 2690MHz
VSWR	< 1.9
Isolation	>10dB @ 698-960MHz >20dB @ 1710-2700MHz
Feed power handling	10W
Input impedance	50 Ω
Polarisation	Linear , vertical
Vertical Beamwidth	60° @ 698-960MH 35° @ 1710-2700MHz
Connector	N-type female

Mounting

Supported types	Wall, pole
Pole diameter	Ø2" - 3.5" / Ø50 - 90 mm

Mechanical

Product dimensions	10.24" x 3" / 260 x 76 mm
Weight	5.5 lbs / 2.5kg
Random materials	ABS

Environmental, compliance

IP rating	IP67
Operating temperature	-40° - 158°F / -40° - 70°C
Storage temperature	-40° - 158°F / -40° - 70°C
Compliance	ROHS, REACH, WEEE
Wind survivability	137mph (220km/h)
Salt spray	MIL-STD 810F/ASTM B117

Ordering information

Product Code	Description
ACW-852	1xLTE, 698-2700MHz, SMA, N-type