RooTenna58 WideBand Panel Antenna
5150 to 5825 MHz Operation

Features

- **RooTenna, the antenna with a pouch!**
- **Compact, Low Profile 19 dBi Antenna Gain**
- **Regular Version (9"x9"x2") and Low profile Version (9" x 9" x 1") Weatherproof Radio Compartment**
- **Vertical or Horizontal Polarization, Beamwidth 16 deg**
- **Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector**

RT58-19

Applications

- **Integrated Radio/ Antenna Units**
- **Amplified Antennas**
- **WISP CPE Equipment**
- **802.11a Applications**

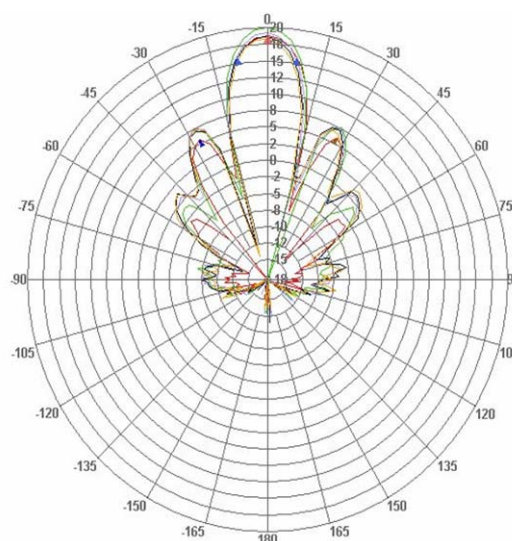*Now Available in White!*

RT58L-19

Description

The RooTenna58 wideband panel antenna offered by Pacific Wireless is developed to allow integration of the customers' radio equipment inside the weatherproof compartment. The wideband design allows use of one antenna for a very wide frequency range. This allows customers to switch frequencies as needed in the field without having to replace equipment. The radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. Two sizes are available, our regular RooTenna and a new Lower Profile RooTenna. The housing is UV stabilized ABS plastic. The backplate is alodine coated aluminum with stainless steel fasteners. All bracket fasteners are stainless steel for corrosion protection.
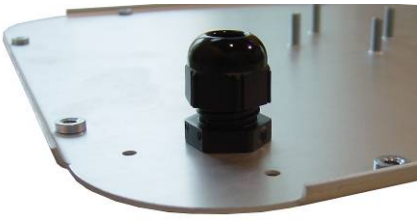
Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	5150		5825	MHz
Input Return Loss (S_{11})		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			20	W
Operating Temperature	-45		+70	Deg C
Gain		19		dBi
3dB Beam Angle (E-Plane)		16		Deg
3dB Beam Angle (H-Plane)		16		Deg
Front to Back	30			dB
Weight		29 (.8)		Oz (kg)
Dimension RT24 (L x W x H)	10.75" x 10.75" x 4" (267 x 267 x 102)			Inches (mm)
Dimension RT24LP (L x W x H)	10.75" x 10.75" x 2.6" (267 x 267 x 67)			Inches (mm)

Antenna Patterns at 5GHz

Wind Loading	100MPH	125 MPH	100MPH with ½" Radial Ice
	27.8 lb	43.4lb	30lb

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

System Ordering:

RT58 ☐☐-19-☐☐☐☐☐

Style
Blank = Regular Gray
L = Low Profile Gray
LW = Low Profile White

Connector Type
RSMA = Reverse Polarity SMA Male
RTNC = Reverse Polarity TNC Male
MC = MC Card Plug Connector
MMCX = MMCX Plug Connector
RMMCX = Reverse Polarity MMCX Connector
UFL = U.FL (MHF) Miniature Connector

Pacific Wireless Accessories for RooTenna Products:

Wall Mounts

POE adapters

Patent Pending Field Replaceable RJ45 Ethernet Feedthru

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