



RooTenna® 2 Panel Antenna 4940 to 5850 MHz Operation

Features

- RooTenna®, the antenna with a pouch!
- Compact, Low Profile 19 dBi Antenna Gain
- Wideband Operation 4940-5850MHz
- Includes Ethernet feedthru with RJ45 Passthru and mounting plate
- Vertical or Horizontal Polarization, Beamwidth 30 deg
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector



R2T58W-19



R2T58LW-19

Applications

- Integrated Radio/ Antenna Units
- Hi Speed Subscriber Units
- Amplified Antennas
- 802.11a Applications

Description

The RooTenna® 2 panel antenna offered by Pacific Wireless was developed to allow integration of the customers' radio equipment inside the weatherproof compartment. The expanded radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. Two sizes are available, our regular RooTenna® and a Lower Profile RooTenna®. The antenna design utilizes a wideband element array over a solid 8.5" square backplane for consistent performance over a wide bandwidth. 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. There are qty 4 8-32 threaded standoffs provided inside the enclosure for customer mounting. Included with the Roo2 are a customer mounting plate and an RJ45 passthru Ethernet feedthru.

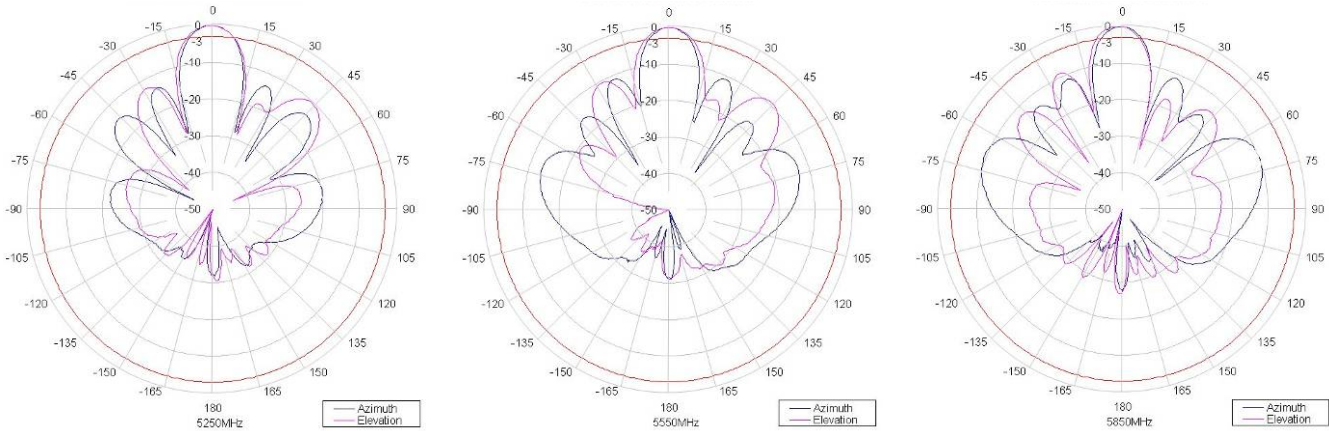
Specifications

| Parameter | Min | Typ | Max | Units |
|------------------------------------|--|---------|------|----------------|
| Frequency Range | 4940 | | 5850 | MHz |
| VSWR (4940-4990MHz <2.0) | | 1.5:1 | | |
| Impedance | | 50 | | OHM |
| Input Power | | | 20 | W |
| Operating Temperature | -45 | | +70 | Deg C |
| Gain | | 19 | | dBi |
| 3dB Beam Angle (E-Plane) | | 15 | | Deg |
| 3dB Beam Angle (H-Plane) | | 15 | | Deg |
| Front to Back | 25 | | | dB |
| Weight | | 29 (.8) | | Oz (kg) |
| Dimension R2T58W | 10.75" x 10.75" x 3.5" (267 x 267 x 89) | | | Inches (mm) |
| Inside Dim R2T58W | 9" x 9" x 2.25" (229 x 229 x 57) | | | Inches (mm) |
| Dimension R2T58LW | 10.75" x 10.75" x 2.6" (267 x 267 x 67) | | | Inches (mm) |
| Inside Dim R2T58LW | 9" x 9" x 1.5" (229 x 229 x 38) | | | Inches (mm) |



| Wind Loading (Lbs) | 100MPH | 125 MPH |
|-----------------------|--------|---------|
| R2T58-19 | 27.8 | 43.4 |

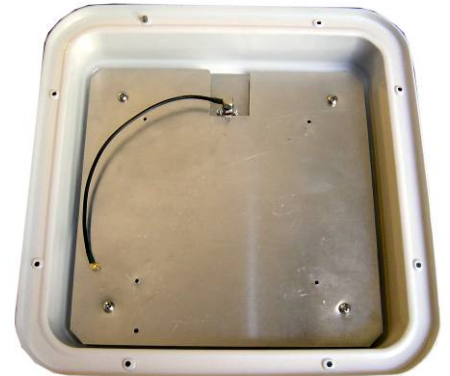
Antenna Patterns



Includes RJ45 passthru Ethernet Feedthru

Notes:

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



Includes customer mounting plate

System Ordering:

R2T58 -19-

Style

- W = Regular White
- 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

For further information contact:



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