



RooTenna® 2 Panel Antenna 900 to 928 MHz Operation

Features

- RooTenna®, the antenna with a pouch!
- Low Profile 12 dBi Antenna Gain
- Includes Ethernet feedthru with RJ45 passthru and removable customer mounting plate
- Low Heat Absorption White UV Protected Housing
- Vertical or Horizontal Polarization, Beamwidth 45 deg
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL antenna connector



R2T9-12

Applications

- Integrated Radio/ Antenna Units
- WISP CPE Equipment
- Amplified Antennas
- Non-Line of Sight

Description

The RooTenna® panel antenna offered by Pacific Wireless is designed to allow integration of the customers' radio equipment inside the weatherproof compartment. The radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. The unit is complete with a removable customer mounting plate for mounting of customer electronics and an RJ45 passthru Ethernet feedthru. 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.

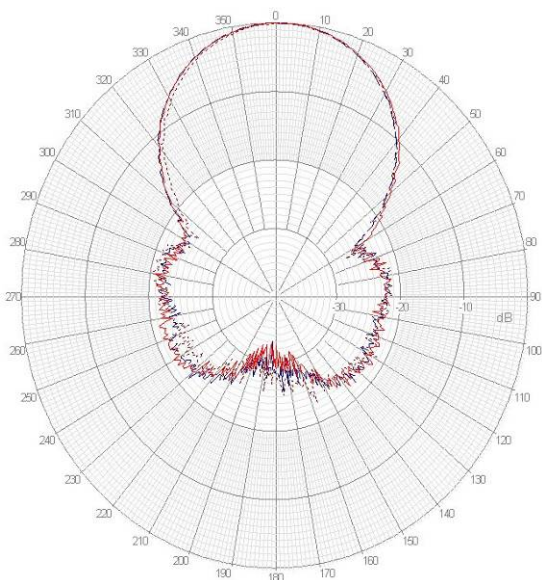
Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	900		928	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			20	W
Operating Temperature	-45		+70	Deg C
Gain		12		dBi
3db Beam Angle (E-Plane)		50		Deg
3dB Beam Angle (H-Plane)		45		Deg
Front to Back	21			dB
Weight		6 (2.7)		Lb (kg)
Compartment Dim(L x W x H)	16.25" x 14.75" x 1" (413 x 375 x 25)			Inches (mm)
Outside Dim (L x W x H)	18.5" x 16.8" x 2.5" (470 x 427 x 64)			Inches (mm)

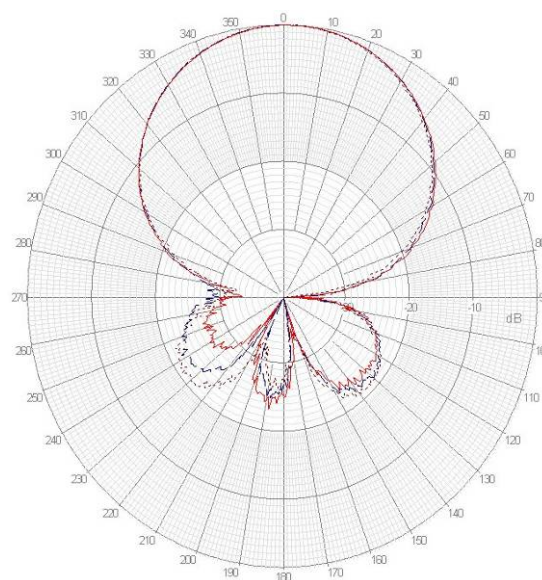


Wind Loading	100MPH	125MPH	100MPH with ½" Radial Ice
Force (Lbs)	77.8	121	83

Antenna Patterns



R2T9-12 H-Plane



R2T9-12 E-Plane

Notes:

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



Ethernet Feedthru

System Ordering:

R2T9 -12-

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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