



900 TO 928 MHz OPERATION

The RooTenna® panel antenna offered by Laird's 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.

FEATURES

- 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°
- Available with RPSMA, RPTNC, MC Card, MMCX, RPPMMCX, and U.FL antenna connector

MARKETS

- Integrated radio/antenna units
- WISP CPE equipment
- Amplified antennas
- Non-Line of sight
- WiMAX

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	°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)		lbs (kg)
Compartment Dim (L x W x H)	16.25 x 14.75 x 1.25 (413 x 375 x 32)			in (mm)
Outside Dim (L x W x H)	18.5 x 16.8 x 2.5 (470 x 427 x 64)			in (mm)
WIND LOADING	100 MPH	125 MPH	100 MPH with ½ in Radial Ice	
Force (Lbs)	77.8	121	83	

SYSTEM ORDERING

R2T9-12-XXXX 900-928 MHz 12 dBi high gain RooTenna® compartment antenna

XXXX= connector type

Please specify RSMA, RTNC, MMCX, RMMCX, MC, or UFL when ordering

ANT-DS-R2T9-12 0416

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