



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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900 TO 928 MHz OPERATION

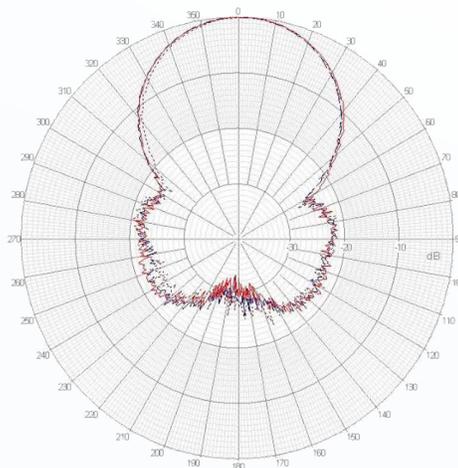
The Rootenna® panel antenna offered by Laird Technologies is designed to allow integration of the customers' radio equipment inside the weatherproof compartment. The radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. The unit is complete with a removable 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

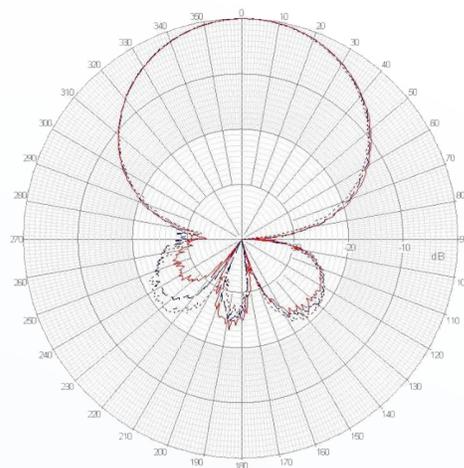
- Low Profile 12 dBi antenna gain
- Includes ethernet feedthru with RJ45 passthru and removable customer mounting plate
- Low heat absorption white UV protected housing
- Vertical or horizontal polarization, beamwidth 45°
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMCCX, and U.FL antenna connector

MARKETS

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



R2T9-12 H-Plane



R2T9-12 E-Plane

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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

NOTES

- All shipments F.O.B. Schaumburg, IL 60173



ANT-DS-R2T9-12 0611

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