



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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ROOTENNA® 2 PANEL ANTENNA: 4940 TO 5850 MHz OPERATION

The Rootenna® 2 panel antenna offered by Laird was developed to allow integration of the customer’s 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 - the regular 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 a patented RJ45-ECS ethernet connector system.

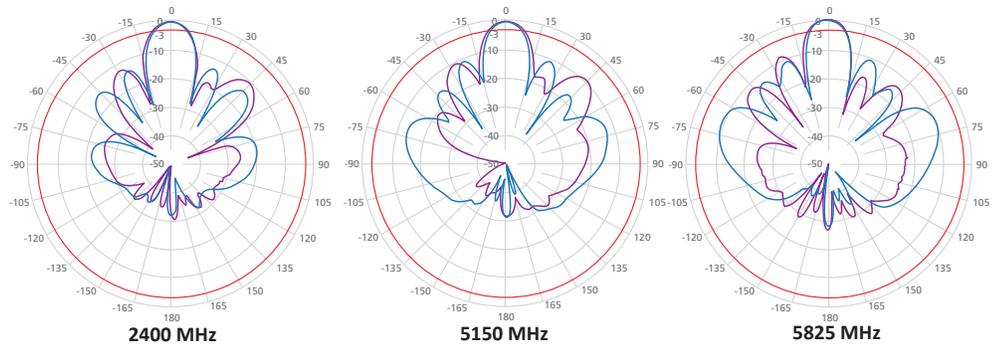
FEATURES 

- Rootenna®, the antenna with a pouch!
- Compact, low profile 19 dBi antenna gain
- Wideband operation 4940-5850MHz
- Includes patented RJ45-ECS ethernet connector system and customer mounting plate
- Vertical or horizontal polarization, beamwidth 15 deg
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMCX and U.FL antenna connector

MARKETS

- Integrated radio/antenna units
- High speed subscriber units
- Amplified antennas
- 802.11a/b/g applications

ANTENNA PATTERNS



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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 (0.8)		oz (kg)
Dimension R2T58W		10.75" x 10.75" x 3.5" (267 x 267 x 89)		in (mm)
Inside Dim R2T58W		9" x 9" x 2.25" (229 x 229 x 57)		in (mm)
Dimension R2T58LW		10.75" x 10.75" x 2.6" (267 x 267 x 67)		in (mm)
Inside Dim R2T58LW		9" x 9" x 1.5" (229 x 229 x 38)		in (mm)

WIND LOADING (LBS)

MODEL	100 MPH	125 MPH
R2T58-19	27.8	43.4

SYSTEM ORDERING INFORMATION

R2T58W-xx 4940-5850MHz RooTenna[®] regular profile
R2T58LW-xx 4940-5850MHz RooTenna[®] low profile

(Please note: Where "xx" appears, please specify connector. Connector options include RPSMA, RPTNC, MC Card, MMCX, RPMMCX and U.FL))

NOTES

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



ANT-DS-R2T58 1115

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