



### 900 TO 928 MHz OPERATION

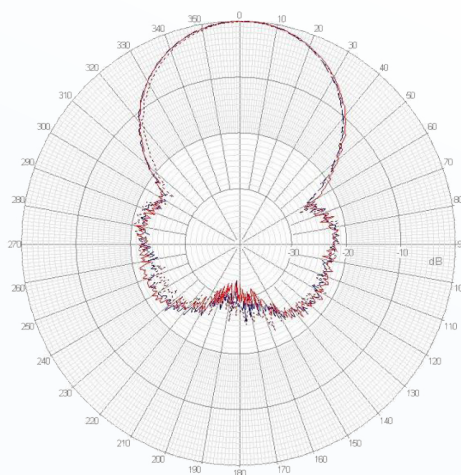
The RooTenna® panel antenna offered by Laird Technologies is designed to allow integration of the customers' radio equipment inside the weatherproof compartment. The radio compartment is big enough to house transceivers, amplifiers, and other electronic equipment. The unit is complete with a removable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

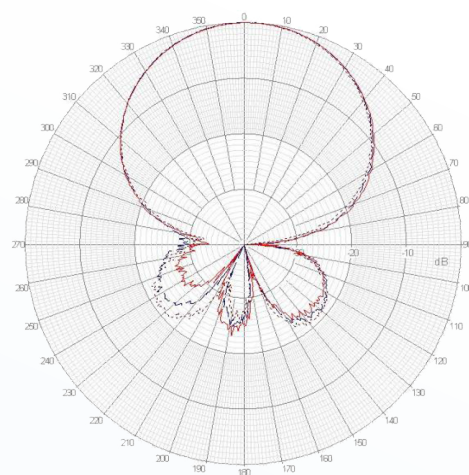
- Low Profile 12 dBi antenna gain
- Includes ethernet feedthru with RJ45 passthru and removable customer mounting plate
- Low heat absorption white UV protected housing
- Vertical or horizontal polarization, beamwidth 45°
- Available with RPSMA, RPTNC, MC Card, MMCX, RPMCMX, and U.FL antenna connector

### MARKETS

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



*R2T9-12 H-Plane*



*R2T9-12 E-Plane*

**global solutions: local support™**

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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

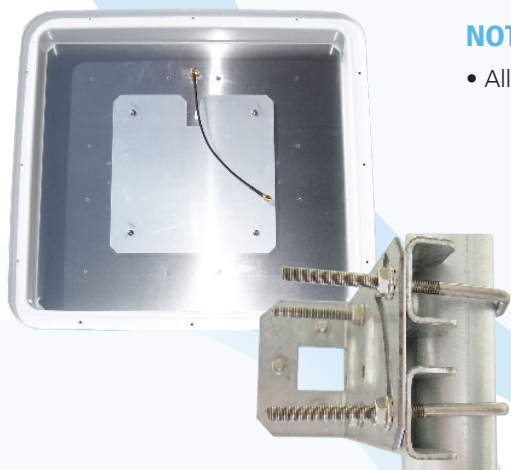
R2T9-12-XXXX 900-928 MHz 12 dBi high gain RooTenna® compartment antenna

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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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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