



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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Innovative **Technology**
for a **Connected** World

RD2458-5-OTDR

Tri-Band Omnidirectional Outdoor Antenna



TRI-BAND 2400/5300/5800 MHz OPERATION OUTDOOR ANTENNA

Laird Technologies' Tri-Band RD2458-5-OTDR series antennas are high-gain (3 dB @ 2.4 GHz and 5 dBi @ 5 GHz) omnidirectional antennas designed for outdoor use. They are rugged and reliable. The antenna features a 360° horizontal transmission pattern and a 90° vertical transmission pattern.

FEATURES

- Tri-Band operation: 2.4 GHz, 5.3 GHz, 5.8 GHz
- Extends range of wireless access points or wireless bridges
- N male connector
- IP-67 seal rating

MARKETS

- 2.5, 5.3 GHz Wireless Access Points
- 2.5, 5.3 GHz Wireless Client Bridges
- 2.5, 5.3 GHz Wireless Routers
- Public safety wireless systems
- 802.11a/b/g wireless equipment
- WiMAX

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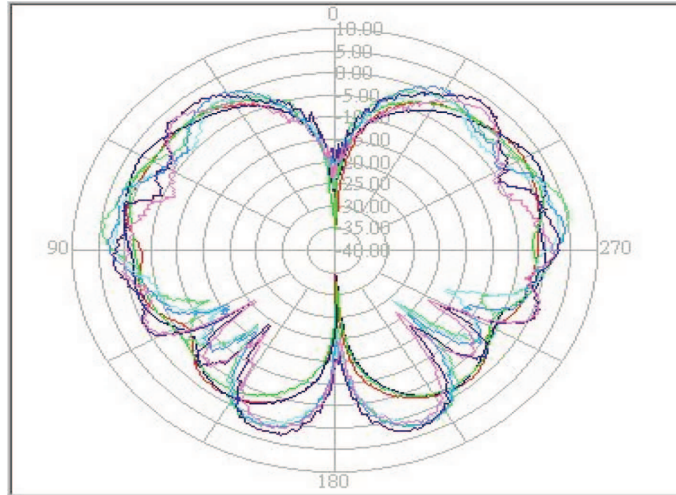
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ANTENNA PATTERNS



Freq (MHz)	peak (dBi)	Angle (o)	Avg (dBi)
2400.00	1.63	58.12	-2.24
2450.00	3.26	63.75	-1.75
2500.00	1.57	68.12	-2.33
5150.00	5.36	77.50	-0.63
5250.00	2.96	81.25	-1.93
5350.00	4.24	83.12	-1.05
5725.00	3.83	39.37	-0.57
5850.00	2.59	315.00	-2.10

SPECIFICATIONS

Part Number:	RD2458-5-OTDR
Frequency GHz:	2.4-2.5, 5.15-5.35, 5.725-5.85 MHz
Gain:	2.0 dBi @2 GHz, 4.0 dBi @5 GHz
3 dB Beamwidth-Azimuth:	Omnidirectional
3 dB Beamwidth-Elevation:	90°
Polarization:	Linear Vertical
VSWR:	2.0:1
RF Connector:	N (m) Reverse TNC
Power Rating:	10 W
Impedance:	50 Ohm
Dimensions:	7.6 x .05 in (193 x 12.7 mm)
Weight:	45.4 g
Operational Temperature:	-10°C to +70°C
Mount Style:	Direct
Seal Rating:	IP-67
RoHS:	Compliant

SYSTEM ORDERING INFORMATION

RD2458-5-OTDR-NM TriBand 2.4/5.3/5.8 GHz Omnidirectional – N male connector

NOTES

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

ANT-DS-RD2458-5-OTDR 1012

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