RD2458

global solutions :
local support™

TriBand 2.4, 5.3, 5.8GHz Antenna

2400 to 5800 MHz Operation

The TriBand RD2458-5 series antennas are high gain (3dB @ 2.4GHz and 5dBi@5GHz) omnidirectional antennas designed for indoor use. They are rugged and reliable. The heavy duty knuckle gives angular detents at 0, 45 and 90 degrees. The antenna features a 360 degree horizontal transmission pattern and a 90 degree vertical transmission pattern. These antennas offer a choice of connector options for maximum design flexibility (SMA, RPSMA, RPTNC and N male).

Features and Benefits:

- Tri-Band operation: 2.4GHz, 5.3GHz, 5.8GHz
- 0, 45 and 90 degrees knuckle detents (N male not applicable)
- Extends range of wireless access points or wireless bridges
- Available in SMA, RPSMA, RPTNC and N male connector versions

Applications

- 802.11a/b/g wireless equipment
- OEM equipment

For sales information:
Telephone 801-572-3024
E-Mail sales@pacwireless.com

or visit: **www.pacwireless.com**

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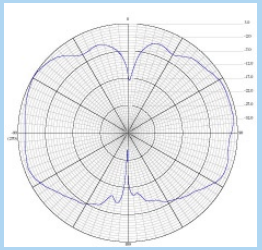
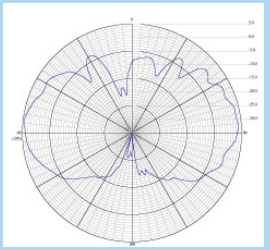
Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2400		2483	MHz
Gain (RD2458-5)	2400 MHz 5150 MHz 5400 MHz 5725 Mhz	3 5 5 5		dBi
Gain (RD2458-5-NM)	2400 MHz 5150 MHz 5725 Mhz	2.2 4 5		dBi
VSWR		1.5:1		
Impedance		50 Ω		OHM
Input Power			10	W
Operating Temperature	-10		+70	Deg C
Weight (RD2458-5)	.8 (22.7)			oz (g)
Weight (RD2458-5-NM)	1.6 (45.4)			oz (g)
Dimension (Dia x Height) - RD2458-5	6.1 x 0.5D (155 x 12.7D)			In (mm)
Dimension (Dia x Height) - RD2458-5-NM	7.6 x 0.5D (193 x 12.7D)			In (mm)

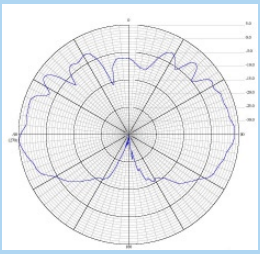
Antenna Patterns



2450MHz Elevation Pattern



5150MHz Elevation Pattern



5750MHz Elevation Pattern

System Ordering:

RD2458-5-SMA TriBand 2.4/5.3/5.8GHz Omndirectional – SMA male connector
RD2458-5-RSMA TriBand 2.4/5.3/5.8GHz Omndirectional – RPSMA male connector
RD2458-5-RTNC TriBand 2.4/5.3/5.8GHzOmndirectional – RPTNC male connector
RD2458-5-NM TriBand 2.4/5.3/5.8GHz Omndirectional – N male connector

Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty