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RD2458-5

Tri-Band 2.4, 5.3, and 5.8 GHz Antenna



Laird's tri-band RD2458-5 series offers high-gain (3dBi/2.4 GHz & 5 dBi/5GHz) omnidirectional performance. These antennas are designed for indoor use and are both rugged and reliable. The heavy duty knuckle designed into the antenna gives the flexibility for angular adjustments at 0°, 45°, and 90°.

The antenna features a 360° horizontal transmission pattern and a 90° vertical transmission pattern. These antennas offer a choice of connector options for maximum design flexibility (SMA, RPSMA, and RPTNC).

FEATURES AND BENEFITS

- Tri-band operation – 2.4 GHz, 5.3 GHz, and 5.8 GHz
- Knuckle detents – 0°, 45°, and 90° (N-male not applicable)
- Extends the range of wireless access points and wireless bridges
- SMA, RPSMA, RPTNC, and N-male connector versions available

ELECTRICAL SPECIFICATIONS				
Part Number	RD2458-5			
Operating Frequency (MHz)	2400	5150	5400	5725
Gain (dBi)	3	5	5	5
VSWR	1.5:1			
Nominal Impedance (Ohms)	50			
Max Power - Ambient 25°C (W)	10			
Operating Temperature – °C (°F)	-10 to +70 (+14 to +158)			

MECHANICAL SPECIFICATIONS	
Dimensions (Height x Diameter) – mm (in.)	155 x 12.7 (6.1 x 0.5)
Weight – g (oz.)	22.7 (0.8)

CONFIGURATION

PART NUMBER	CONNECTOR
RD2458-5-SMA	SMA male connector
RD2458-5-RSMA	RPSMA male connector
RD2458-5-RTNC	RPTNC male connector

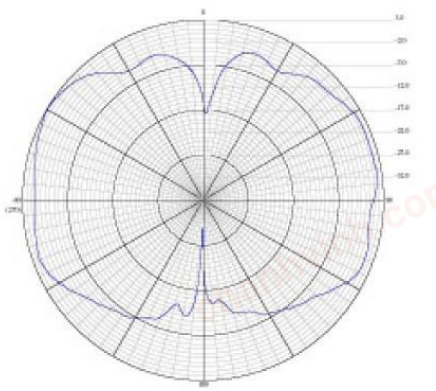
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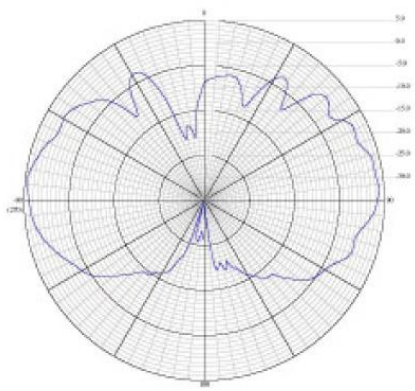
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RADIATION PATTERNS

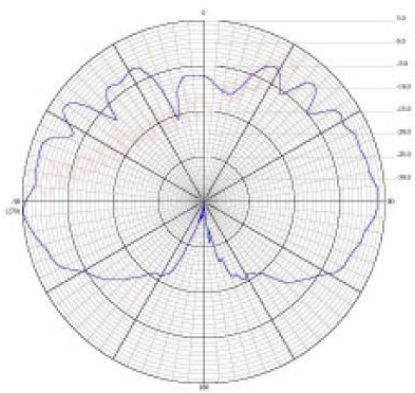
2450 MHz



5150 MHz



5750 MHz



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RoHS

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