

2.4/5.8 GHz 4 dBi 6x6 MIMO Ceiling Antenna RP-SMA Plug Connector



HG2458-4SDC-6RSP

Features

- Compact Design
- Six Dual Band Inputs Via Antenna Leads with RP-SMA Plug Connectors
- Dual Frequency 2.4 GHz & 5 GHz
- Compact/Aesthetic Ceiling Mount Design
- MIMO (Multiple Input and Multiple Output)
- Three Integrated Spatial Diversity Antennas, Single Package
- 18 in Cable Length with Multiple Connector Options
- Works with 1x2, 2x2, 2x3, 3x3, 4x4, 6x6 MIMO AP/Router

Applications

- 2x2, 3x3 and 4x4 MIMO Applications
- 5.8 GHz NII and ISM Applications
- 4.9 GHz Homeland Security and Public Safety Band
- IEEE 802.11a/b/g/n and 802.11ac Wireless Networks
- Point-to-Multipoint Applications
- 1x2, 2x2, 2x3, 3x3 MIMO Access Points and Routers
- Hotels, Schools, Business Offices, HealthCare Facilities, Shopping Malls
- Indoor Wireless Hotspot
- 2.4 GHz Wireless LAN and WiFi Systems
- Supports IEEE 802.11b/g/n

Description

The L-com HG2458-4SDC-6RSP is a compact dual band omni-directional antenna specifically designed for MIMO (Multiple In / Multiple Out) applications.

The HG2458-4SDC-6RSP features a compact and unobtrusive UV resistant radome. Its modern design and aesthetics helps it blend into almost any environment or structure. The antenna measures 6 inches in diameter and just 2.8 inches in height.

Operating on both 2.4 GHz and 5.8 GHz frequencies, the HG2458-4SDC-6RSP from L-com is ideal for use with 2x2, 3x3, 4x4 and 6x6 MIMO radios since the HG2458-4SDC-6RSP features six separate 18 inch (1.5 foot) antenna leads terminated with Reverse Polarity SMA (RP-SMA) male connectors. Each lead is dual band and supports both 2.4 GHz and 5.8 GHz.

This antenna's construction features a durable UV resistant ABS radome for durability and ruggedness. Its mounting system is optimized for ceiling mount with an integrated nut and screw.

This 2.4 / 5.8 GHz ceiling antenna, as well as our wide selection of superior quality RF parts, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

Configuration

Design	Ceiling
Application Band	MIMO
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Cable Length	18 in [457.2 mm]
Connector Type	SMA Plug Reverse Polarity
Interface 2	SMA Plug Reverse Polarity
Interface 3	SMA Plug Reverse Polarity
Interface 4	SMA Plug Reverse Polarity

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4/5.8 GHz 4 dBi 6x6 MIMO Ceiling Antenna RP-SMA Plug Connector HG2458-4SDC-6RSP](#)

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Number of Ports 6

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			2:1	
Impedance		50		Ohms
Input Power			100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,500	5,150-5,850				MHz
Gain	3	4				dBi
Horizontal Beam Width	360	360				Degrees
Vertical Beam Width	56	43				Degrees
VSWR Max	2:1	2:1				
Maximum Input Power	100	100				Watts

Mechanical Specifications

Radome Material ABS
 Mounting Application Fit With Nut
Size
 Length 6.1 in [154.94 mm]
 Width 6.1 in [154.94 mm]
 Height 2.8 in [71.12 mm]
 Weight 0.55 lbs [249.48 g]

Mechanical Specification Notes:
 Radome material is UV-inhibited ABS.

Environmental Specifications

Temperature
 Operating Range -40 to +65 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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2.4/5.8 GHz 4 dBi 6x6 MIMO Ceiling Antenna RP-SMA Plug Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

