



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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VERTICALLY POLARIZED BROADBAND OMNI ANTENNAS

OP58509



5850-6000 MHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

The Laird OP58509 broadband omnidirectional antenna has a UV-stable fiberglass radome and is IP67 rated for dust and water intrusion providing excellent durability, reliability and performance. The OP58509 is available with a 914 mm (3') RG58 Low Temperature Rated Plenum cable with Type N-male connector. The vertical pattern is a full 360 degrees with 9.1 dBi gain to improve high-speed broadband system performance in a highly rugged and durable package for both indoor and outdoor applications.

FEATURES

- 9.1 dBi antenna gain.
- Type N male connector with 914 mm (3') RG58 Low Temperature Rated Plenum cable.
- IP67 Rated, lightweight design for indoor & outdoor use.
- UV Stable polycarbonate radome.
- All stainless steel bracket for better corrosion protection.
- Performance engineered for optimum high speed broadband performance.

MARKETS - APPLICATIONS

- Wireless broadband systems
- DSRC (Dedicated Short Range Communications)
- ITS (Intelligent Transportation Systems)
- Point-to-multi-point systems
- WLAN access points

PARAMETER	SPECIFICATIONS
Model	OP58509-91NM
Frequency Bands, MHz	5850-6000 MHz
Peak Gain, dBi (Typ)	8.8 dBi
Peak Gain, dBi (Max)	9.1 dBi
VSWR, Max	<2.0:1
Nominal Impedance	50Ω
Polarization	Vertical
Azimuth 3 dB Beamwidth	360°
Azimuth 3 dB Beamwidth	12°
Max Power (Ambient 25°)	25 Watts
Antenna Dimension (H X Dia)	311.7 x 21.2 mm (12.3" x 0.83")
Weight	163 g (0.36 lbs) w/o Mounting Kit
Exposed Cable Length	914.4 mm (3 ft.)
Mounting	Mast Mount
Antenna Color	White
Radome	Polycarbonate, UV
Wind Operational	193 km/h (120 mph)
Wind Survival	220 km/h (136 mph)
Operating Temperature	-30° to + 70°C (-22° to + 158°F)
Storage Temperature	-40° to + 85°C (-40° to + 185°F)
Ingression Protection	IP67
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
OP58509-91NM	91 cm (3 ft)	Type N-male

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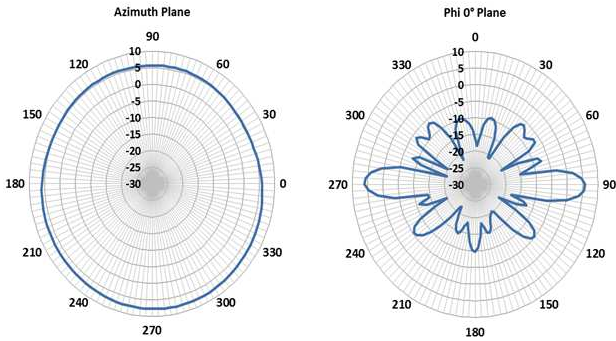
www.lairdtech.com

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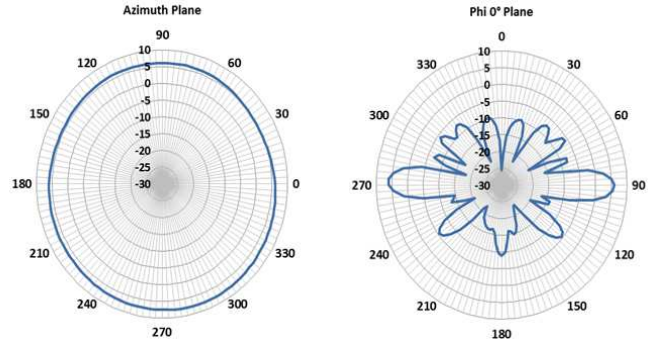


RADIATION PATTERNS

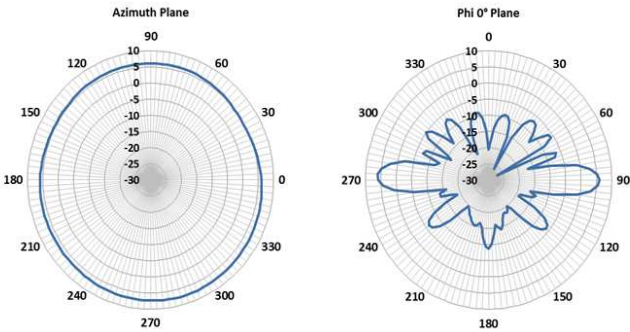
5850 MHz



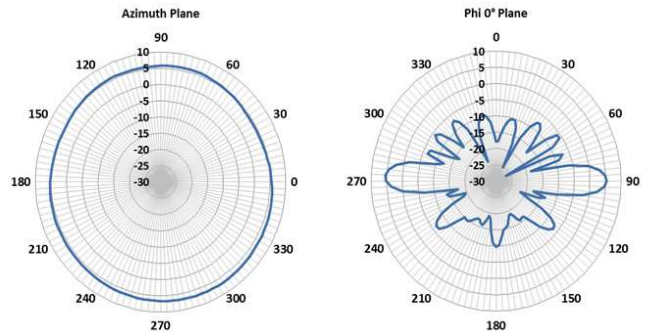
5900 MHz



5950 MHz



6000 MHz



ANT-DS-OP58509_0616

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