



The Laird vehicular four-port MIMO Wi-Fi disk puck antenna covers the 2400-2500 MHz/ 4900-5925 MHz bands. The VLQ24593xN4N is configured with four-port, dual-band elements.

The four Wi-Fi ports have RP-SMA male cable plug connectors. The housing incorporates a low-profile, rugged design that meets IP67 standards. The antenna also features high impact, UV-resistant polycarbonate plastic available in black or white.

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500 MHz	4900-5925 MHz
Number of Ports	4-ports (Wi-Fi)	
VSWR – Avg	< 1.4:1	< 1.4:1
VSWR – Max	< 2.0:1	< 2.0:1
Gain Horizon 30° - Max (dBi)	N/A	3.5
Typical Port-to-Port Isolation **	2400-2500 MHz	4900-5925 MHz
Port 1-to-Port 2	> 23 dB	> 28 dB
Port 1-to-Port 3	> 20 dB	> 26 dB
Port 1-to-Port 4	> 20 dB	> 26 dB
Port 2-to-Port 3	> 25 dB	> 26 dB
Port 2-to-Port 4	> 21 dB	> 26 dB
Port 3-to-Port 4	> 21 dB	> 28 dB
Port-to-Port Isolation **, Max	> 20 dB	> 26 dB
Nominal Impedance (Ohms)	50 Ω	
Max Power - Ambient 25°C (W)	10 Watt per port	
Power Handling (W)		
Polarization	Vertical Linear	
Azimuth Beam Width	Omnidirectional	

* Measured on 1 ft. (30.48 cm) diameter ground plane

** Measured with 17 ft. (518 cm) cable

MECHANICAL SPECIFICATIONS

Dimensions	127 mm x 38.5 mm (5.0" x 1.52")
Weight	Approximately 0.91 kg (2.01 lbs)
Cable Type	LMR195M- 518.2 cm (17 ft)
Radome Material	PC, UL94 - V0 Rating, UV Stable

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature (°C)	-35°C to +75°C (-31°F to +167°F)
Storage Temperature (°C)	-35°C to +80°C (-31°F to +176°F)
IP Dust & Water Ingress Protection Rating	IP67
Material Substance Compliance	RoHS

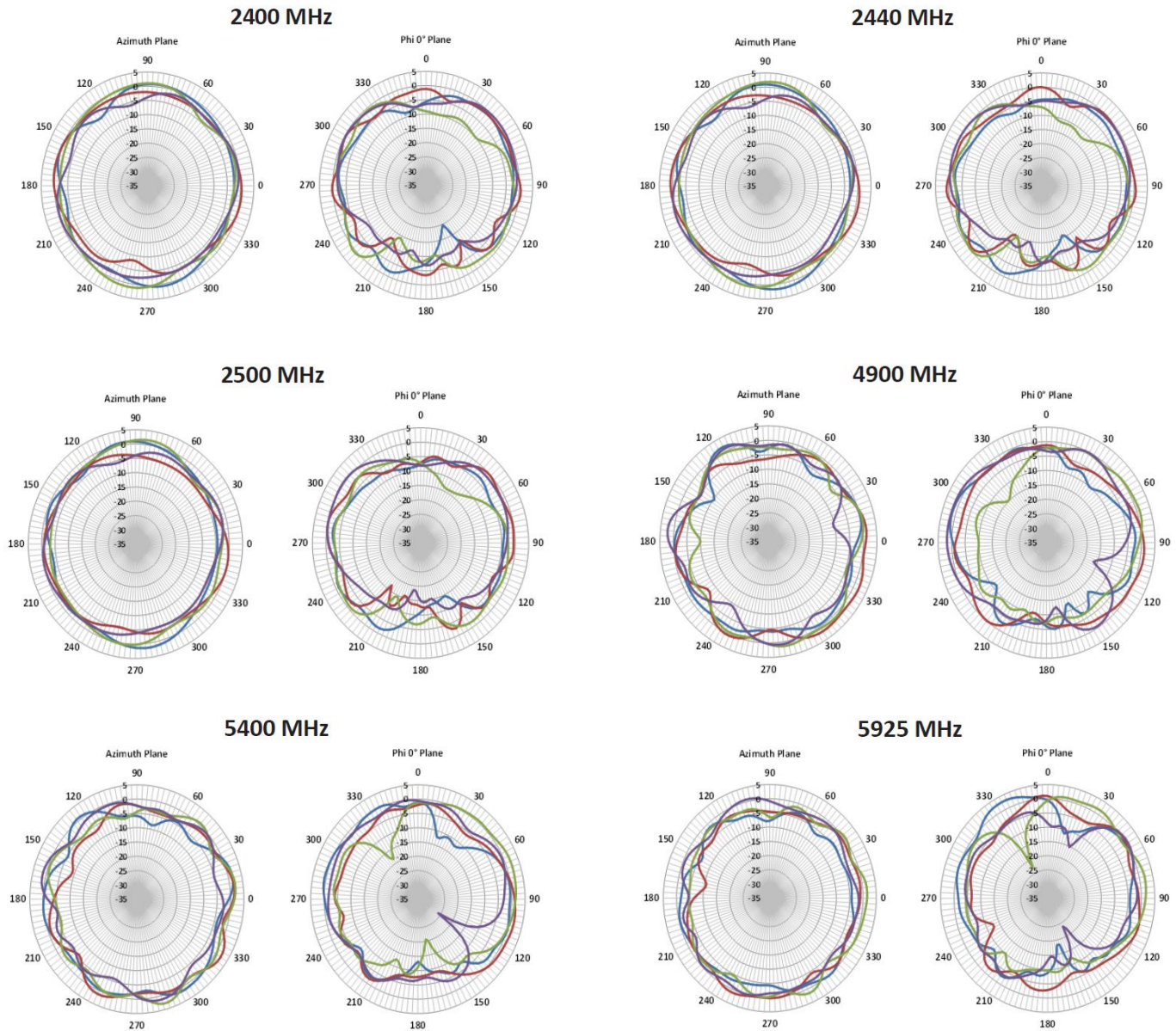
GPS ANTENNA SPECIFICATIONS

Connector	4 x RP-SMA-Male Cable Plug
Cable – Exposed Length	LMR195M- 518.2 cm (17 ft)

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR	COLOR
VLQ24593BN4N-518B	518 cm (17 ft)	4x- RP-SMA male	Black
VLQ24593WN4N-518B	518 cm (17 ft)	4x- RP-SMA male	White
VLQ24593BN4N-213G	213 cm (7 ft)	4x- SMA male	Black
VLQ24593WN4N-213G	213 cm (7 ft)	4x -SMA male	White

RADIATION PATTERNS



Americas: +1.847.839.6925
 IAS-AmericasSales@lairdtech.com
Europe: +44.1628.858941
 IAS-EUSales@lairdtech.com
Asia: IAS-AsiaSales@lairdtech.com
Middle East and Africa: +44.1628.858941
 IAS-MEAUSales@lairdtech.com
www.lairdtech.com



Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2018 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.