



Smart Technology. Delivered.

Vehicular 3-Port MIMO Antenna VLT69273x2NG



698-960 MHz / 1710-2700 MHz MIMO ANTENNA

The Laird vehicular 3-port MIMO antenna covers the 698-960 / 1710-2700 MHz, as well as GPS (1575.42 MHz) frequency ranges. Configured with 2-port, dual-band elements in addition to 1-port with integrated GPS.

Connector options include SMA male connectors for 3G/4G LTE and GPS ports with an RSMA male connector for the WiFi port. 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.

SPECIFICATIONS

| PARAMETER | PERFORMANCE | |
|--------------------------------|---|---------------------------|
| Model Number | VLT69273B2NG-518A (Black) | VLT69273W2NG-518A (White) |
| No. of Ports | 3 (2-ports 3G/4G LTE, 1-port GPS) | |
| | 3G/4G Port 1 | 3G/4G Port 2 |
| Frequency Bands (MHz) | 698-960 MHz | 1710-2700 MHz |
| Peak Gain * dBi | 2.6 dBi | 4.7 dBi |
| Port-to-Port Isolation * | > 15dB | > 20 dB |
| VSWR* Typical | < 1.8:1 | |
| VSWR * Max | < 2.0:1 | |
| Nominal Impedance | 50 Ohm | |
| Polarization | Vertical Linear | |
| Azimuth Beam Width | Omnidirectional | |
| Input Power, Max | 50 Watt (ambient temp. of 25° C/77° F) | |
| Operating Temperature | -30°C to +70°C (-22 °F to +158°F) | |
| Dimensions (dia. x hgt) | 132 mm x 75 mm (5.2" x 2.9") | |
| Weight | 0.74 kg (1.63 lb) | |
| RF Connector | SMA-Male (3G/4G ports) | |
| Cable (exposed length) | LMR195M- 518.2 cm (17 ft) | |
| Radome / Baseplate Material | PC, UL94 - V0 Rating, UV Stable (Black & White) | |
| Material Compliance | ROHS compliant | |
| IP Dust & Water Ingress Rating | IP67 | |

*Measured on 304.8 mm (1 ft.) diameter ground plane

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@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 by reason 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.





Smart Technology. Delivered.

Vehicular 3-Port MIMO Antenna VLT69273x2NG

GPS ANTENNA SPECIFICATIONS

| PARAMETER | | PERFORMANCE | | |
|---|-----------------|--|-------------------|-----|
| Frequency Band | | 1575.42 MHz (GPS L1) | | |
| Band Width | | 6 MHz (Typical) | | |
| Amplifier Gain | | 27 dB ± 3 dBc | | |
| Nominal Impedance | | 50 Ohm | | |
| Output VSWR | | < 1.5:1 | | |
| DC Voltage | | 2.7 - 12 Vdc | | |
| DC Current | | 20 mA (Nominal); 30 mA (-40°C - +85°C) | | |
| Out-of-Band Signal Rejection | | > 40 dB rejection @ ± 50 MHz from center frequency | | |
| Intermodulation@ CW Mode (-40°C - +85°C) | | | | |
| | | Int1 | Int2 | IM3 |
| Power, dBm | -10(1842.8 MHz) | -10(2110 MHz) | -100(1575.6 MHz) | |
| Power, dBm | -10(829.58 MHz) | -10(2405 MHz) | -100(1575.42 MHz) | |
| Power, dBm | -10(755.42 MHz) | -10(820 MHz) | -100(1575.42 MHz) | |
| Input 1 dB Compression @ 750 MHz, 2000 MHz & 3500 MHz | | > 10 dBm (-40°C - +85°C) | | |
| RF Connector | | SMA-Male | | |
| Cable (exposed length) | | RG174-518.2 cm (17ft) | | |

PART NUMBERS

| PART NUMBER | |
|-------------------|--|
| VLT69273B2NG-518A | 2-Ports 4G/LTE, 1-Port GPS: SMA Male(Black) |
| VLT69273W2NG-518A | 2-Ports 4G/LTE, 1-Port GPS: SMA Male (White) |

ANT-DS-VLT69273 0615

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 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks 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.