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Taoglas GSA8841 Wideband 4G & WiFi Adhesive Antenna

SKU
ANT-TG-00015
MPN
GSA.8841.A.105111

Description

The GSA.8841 LTE Wideband I-Bar Antenna is an external adhesive mount solution on glass and plastic for automotive and telematics applications. It covers not only LTE, but all Cellular, ISM and Wi-Fi working frequencies in the 700 to 6000 MHz spectrum. It has the highest wide-band efficiency in its range of any antenna in its category today.

The GSA.8841 has been primarily designed for use with 4G LTE modules and devices that require the highest possible efficiency and peak gain to deliver best in class throughput on all major cellular 4G bands worldwide for telematics applications.

It is supplied with a one meter coaxial cable and SMA Male connector, in a low profile compact format for mounting via high quality first tier automotive approved 3M adhesive foam. Stable radiation is observed on both glass and plastic.

The GSA.8841 is backward compatible with 3G and 2G cellular applications such as HSPA, as well as covering WiFi bands, and ...

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It is an ideal solution for any device requiring high, reliable performance. It will meet nearly all carrier certification requirements from an efficiency standpoint. The antenna also makes an excellent reference antenna for test purposes. It has been designed as an omni-directional antenna and the radiation patterns show this and are stable across all bands.

- Wideband 698 to 6000 MHz covering 4G, WiFi, and ISM bands
- Limited performance on 3.5 GHz 5G
- High efficiency, stable radiation patterns
- IP65 ingress protection rating
- 1 metre NFC-200 cable with SMA Male straight connector
- Fully customizable cable length and connector

Taoglas

Taoglas provides a comprehensive range of external, embedded and base station antenna solutions for M2M applications such as Telematics / Automotive, Smart-Grid, Metering / Telemetry, Home Automation, Remote Monitoring and Medical applications.

Taoglas' cross-cultural business-solutions approach means research, design, production and customer support services are based at our world-class technology ...

RF Specification

Start Frequency
698 MHz
Stop Frequency
6000 MHz
Max. Input Power
5 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-200	1000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Avg. Gain	Efficiency
698 MHz	960 MHz	1.4 dBi	< 4.5:1	-1.66 dBi	68%
1565 MHz	1612 MHz	1 dBi	< 3.5:1	-2.48 dBi	56%
1710 MHz	1990 MHz	3.4 dBi	< 3:1	-2.1 dBi	61%
1920 MHz	2170 MHz	2.7 dBi	< 2.5:1	-2.1 dBi	62%
2300 MHz	2500 MHz	3.9 dBi	< 2:1	-2 dBi	62%
2500 MHz	2700 MHz	4.3 dBi	< 2.5:1	-1.9 dBi	65%
4800 MHz	6000 MHz	2.1 dBi	< 2.5:1	-3.7 dBi	43%

Physical Specification

Subtype
Adhesive Patch
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions

176.5 x 59.2 x 11.6

Ingress Protection

IP65

Materials

ABS Plastic

Mounting

Adhesive

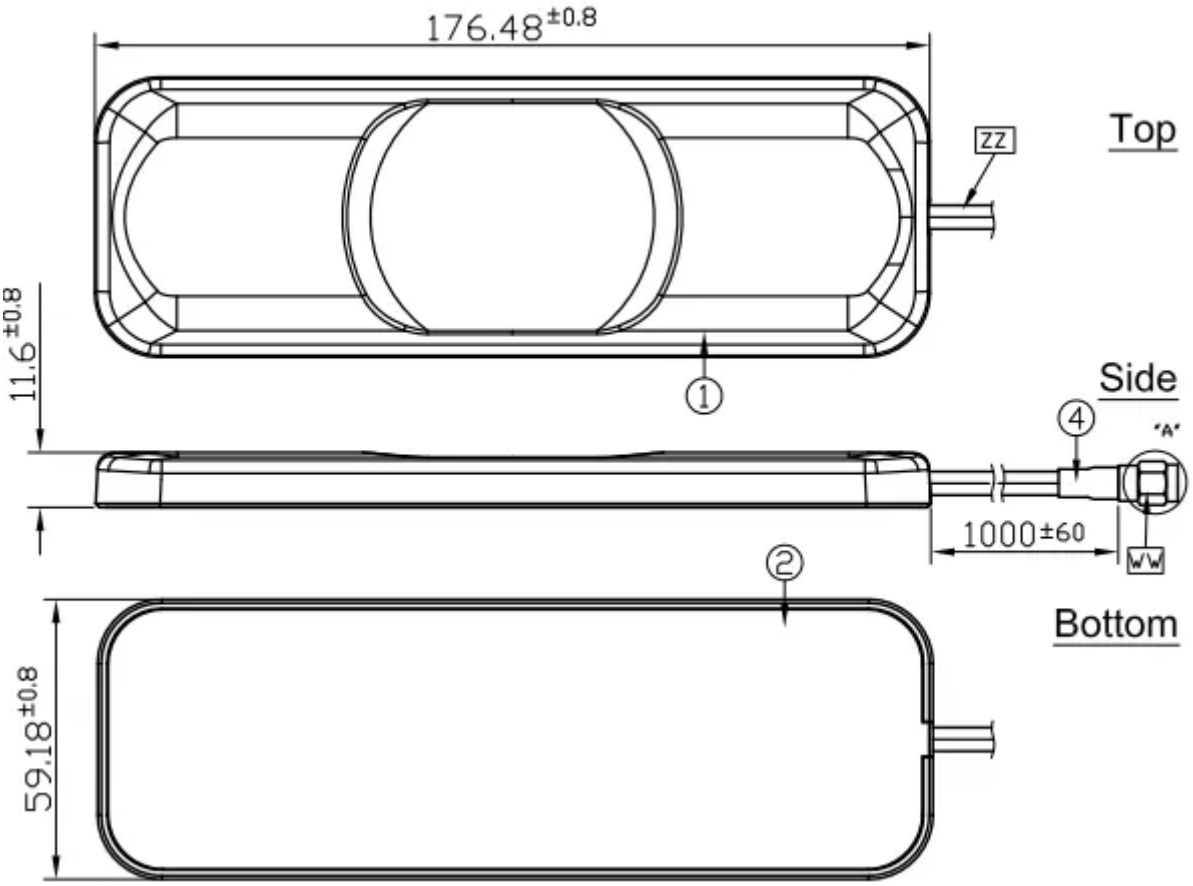
Weight

0.13 kg

Compliance/Certifications

ISO 9001 Quality Management

Drawing



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