Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Taoglas GSA.8835 Weatherproof 4G-5G & IoT Adhesive Antenna

SKU: ANT-TG-00009

MPN: GSA.8835.A.101111

Description

The Taoglas GSA.8835 is a fully IP67 rated waterproof 4G / 5G external adhesive mount antenna designed for use with all cellular modules worldwide including new bands in the 600 MHz, 3.5 GHz, and 5 GHz ranges.

The "Phoenix II" GSA.8835 has been designed as a fully IP67 waterproof rated enclosure and with extended wideband cellular frequency range coverage of 600 to 6000 MHz, the newly designed GSA.8835 is ready for use at all cellular bands across 4G and 5G, with compatibility with legacy 3G technologies.

Providing excellent efficiency and gain, this low profile (7.9 mm) antenna is ideal in areas where space is at a premium. The GSA.8835 can be mounted on glass or plastic and comes with a strong 3M 1600T adhesive already adhered to the bottom side of the antenna for ease of installation.

Phoenix II is a second generation adhesive antenna, replacing the popular GSA.8827 antenna. The model covers more frequency bands with similar performance ...

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The Taoglas GSA.8835, also known as the "Phoenix II," is a robust, IP67-rated adhesive antenna designed for seamless integration with 4G and 5G networks, including legacy 3G support. Covering a broad frequency range from 600 MHz to 6000 MHz, this antenna is suitable for global cellular applications and new bands like 600 MHz, 3.5 GHz, and 5 GHz. Its low-profile design, measuring just 7.9 mm, makes it ideal for installations where space is limited, while its strong 3M adhesive ensures easy mounting on glass or plastic surfaces.

The GSA.8835 excels in efficiency and gain, making it a reliable choice for diverse applications, including telematics, smart-grid, metering, home automation, and medical monitoring. The antenna includes a single SMA male connector with a 1000 mm RG-174 cable, ensuring straightforward connectivity. Its construction from durable ABS plastic and polycarbonate ensures long-lasting performance, even in challenging...

RF Specification

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 ...

Start Frequency:	600 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50 Ω
Max. Input Power:	1 W		

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	1000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Avg. Gain	Efficiency
617 MHz	698 MHz	1.1 dBi	< 3:1	-4.3 dBi	39%
698 MHz	806 MHz	1.7 dBi	< 2.5:1	-2.5 dBi	57%
824 MHz	960 MHz	1.2 dBi	< 2.5:1	-2.1 dBi	62%
1427 MHz	1518 MHz	3.5 dBi	< 2:1	-1.6 dBi	70%
1710 MHz	2200 MHz	2.9 dBi	< 2.5:1	-2.2 dBi	61%
2300 MHz	2690 MHz	2.1 dBi	< 2.5:1	-3.6 dBi	44%
3300 MHz	3600 MHz	2 dBi	< 3:1	-4.3 dBi	37%
5150 MHz	5925 MHz	-1 dBi	< 3:1	-5.6 dBi	28%

Physical Specification

Subtype:	Adhesive Patch	Dimensions:	105 x 30 x 7.9
Input Ports:	1	Ingress Protection:	IP67
MIMO:	1x1 SISO	Materials:	ABS Plastic, Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Mounting:	Adhesive
Max. Operating Temperature:	85 °C	Weight:	0.04 kg
		Compliance/Certifications:	ISO 9001 Quality Management

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