






# AMGANT-G1-ODA2.5 SERIES COST EFFECTIVE GNSS ANTENNAS



## Industrial Wireless Solutions

AMG's low profile cost effective GNSS antennas provide discreet and efficient performance with reliable connectivity. Supporting all common global positioning satellite systems including GPS, QZSS, Galileo, GLONASS and BeiDou.



 GNSS x1	 Temp -40~+80°C	 Waterproof IP65	 Mounting Window	 NDAA Compliant
--	---	--	--	---

[ AMGANT-G1-ODA2.5-5B ]

### // OVERVIEW

Designed in a compact ABS plastic window mount housing, the AMGANT-G1-ODA2.5 series GNSS antennas are ideally suited for providing a cost effective, accurate and reliable connection to multiple global satellite positioning systems.

The AMGANT-G1-ODA2.5 provides double sided tape mounting designed for fixing to a window or other suitable surface.

Antenna performance is 28dB, with 2.5dBi gain and a 2.4dB typical noise figure. Power (3 to 5V<sub>DC</sub>) and signal is applied through the same cabling directly to the antenna.

Optional antenna extension cables (up to a maximum of 10M) are available and are sold separately.

### // FEATURES

- Compact size – 46mm (1.81") diameter & 15mm (0.59") height provides low profile installation
- -40°C to +80°C temperature maintains performance in extreme environmental conditions
- Window mount design with integrated double sided tape fixing
- GNSS antenna supports all common satellite constellations including GPS, QZSS, Galileo, GLONASS & BeiDou
- 28dB antenna performance with 2.5dBi gain provides good signal reception
- Active powered antenna supporting 3 to 5V<sub>DC</sub> input
- Supports IP65 for reliable, maintenance free installation
- AMG 3 Year Support Warranty

# Specifications.

<b>Antenna.</b>		<b>Mechanical.</b>	
GNSS Frequency	1561, 1575 & 1602 MHz	Housing	ABS Plastic
GNSS Gain	28dB LNA	Dimensions:	(W x D x H)
	2.5dBi Nominal RHCP	(Excluding Cable)	46 x 46 x 15 mm
VSWR	2:1 Max Over Range	IP Rating	1.81 x 1.81 x 0.59 in
Noise	2.4dB Typical	Installation	IP65
			Window Mount
			Double Sided Tape
		Weight	0.08kg / 0.18lb
<b>Interface.</b>		<b>Environmental.</b>	
Cable Type	RG-174	Operating Temp.	-40 to +80°C / -40 to +176°F
Cable Length	5m (16.4ft)	Storage Temp.	-40 to +80°C / -40 to +176°F
GNSS Connector	SMA (Male)	MTBF	>100,000 hours
Nominal Impedance	50 Ohm	MTBF Standard	Telcordia SR-332 GF 30°C
<b>Packaging.</b>		<b>Regulatory.</b>	
Shipping Weight	0.09kg / 0.20lb	Environmental	Reach
Dimensions:	(W x D x H)		RoHS
	165 x 70 x 47 mm		WEEE
	6.50 x 2.76 x 1.85 in	Supply Chain	NDAA Compliant
<b>Power.</b>			
Power Inputs	1		
Operating Voltage	3-5V <sub>DC</sub>		
Power Consumption	0.1W Typical (0.2W Max)		

# Part Numbers.

## Cost Effective GNSS Antennas

AMGANT-G1-ODA2.5-5B 360° Omni-Directional Antenna, 1x GNSS 2.5dBi Gain, IP65, Window Mount, Black

# Optional Accessories.

CAB4-xx Antenna Extension Cable, SMA-Type Male to SMA-Type Female, xxM RG174 Cable, Black\*



\* GNSS antenna extension cables are available in lengths from 1M to 10M. Contact AMG Technical Services for advice and support.

In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit [www.amgsystems.com](http://www.amgsystems.com) for the latest product specifications.

AMG Systems Ltd. 4 Pioneer Way, Castleford, WF10 5QU, UK T: +44 (0) 1767 600 777 E: [sales@amgsystems.com](mailto:sales@amgsystems.com)  
AMG Systems Inc. 62 Spring Hill Road, Trumbull, CT 06611, USA T: +1-855-AMGPOE1 (855-264-7631) E: [usasales@amgsystems.com](mailto:usasales@amgsystems.com)  
D39331-00 [amgsystems.com](http://amgsystems.com)

Proud to be a British  
Manufacturer 