Section 5

CELLULAR MOBILE PHONE ANTENNAS

Updated 18 February 2011

OGI-08-4
Multiband NEXT G, GSM and 3G Inside Vehicle On-Glass Mount

Frequency	Bandwidth
800 – 2,100 MHz	NEXT G, GSM, 3G combined

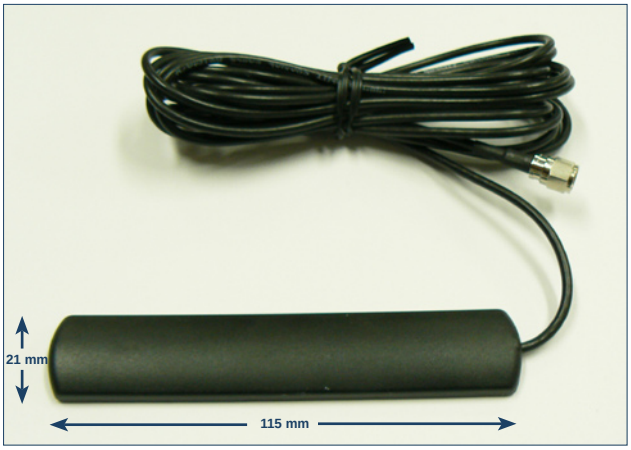
ZCG SCALAR
INNOVATE MANUFACTURE SUPPORT

This on-glass antenna model **OGI-08-4** sticks to the inside of a vehicle windscreen and will improve cellular mobile phone reception and transmission range while travelling.

The antenna offers these significant features :

- **Multiband coverage** of all the cellular mobile phone networks operating around Australia; NEXT G, GSM and 3G.
- **Effective performance** with 2.1 dBi gain, comparable to an external on-glass mount whip.
- **Small and inconspicuous**.
- **Simple installation**, no bracket, no holes, no screws. Just peel and press the adhesive pad to the inside of the screen, route the cable and connect to the car kit.
- **The antenna is secure inside your vehicle**. No external parts means the possibility of damage and vandalism are minimised and the car wash no longer a worry !

SPECIFICATIONS	OGI-08-4
Cellular Mobile Phone Network Coverage	NEXT G, GSM and 3G
Frequencies	800/900/1800/1900/2100 MHz
VSWR	< 2:1 across full band
Tuning	Factory
Gain	2.1 dBi
Maximum Power	5 Watts
Impedance	50 Ohms
Polarisation	Vertical
Cable	3 metres of RG174
Connector	SMA Male fitted to the cable
Adaptor Supplied	FME Female to SMA Female
Operating Temperature	-20°C to +60°C
Dimensions	115 mm long, 21 mm wide, 7 mm thick
Weight	5 grams
Colour	Black
Mounting	Adheres to glass inside a vehicle, either the front or rear screen



Installation Tips :

It is important to avoid mounting this on-glass antenna anywhere near heated demister elements or on any area of glass which contains metal flakes.

The antenna may be located inside a vehicle on either the front or rear screen. Once the mount location has been selected, wash the glass area inside with a detergent solution and wipe dry thoroughly. Peel the adhesive pad and press onto the glass firmly. You must be careful to locate the antenna exactly in the desired position at first attempt.

Route the cable carefully to the car kit. The cable can be located in the head lining or under the carpet as desired. Ensure that the cable is not stretched excessively and there are no sharp kinks. If using any cable ties, do not pull so tight as to crush the cable. A damaged feeder cable is a cause of high VSWR and reduced performance.

An SMA Male connector is fitted to the cable. However, if your car kit has an FME Male connector, then fit the FME Female to SMA Female Adaptor provided.

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