

## Section 5

### CELLULAR MOBILE PHONE ANTENNAS

Updated 18 February 2011

#### GIDM90T Series NEXT G or GSM Vehicle Mount

Frequency  
**825 – 960 MHz**

Bandwidth  
**NEXT G or GSM**



**GIDM90T ground independent cellular mobile phone antennas are a modest size and deliver excellent performance with 5.1 dBi gain.**

Just 45 cm tall, select either the NEXT G or GSM model. Both are a rugged design with detachable stainless steel black powder coated whip and mount simply into any 10 mm diameter hole using the nut and spring washer at the base.

Typically the antenna is mounted to a vehicle guard, boot or truck mirror using the appropriate bracket. However they can also be mounted in any fixed location, not just on a vehicle.

No metal ground plane is necessary for the antenna to operate effectively.

4.5 metres of RG58 low loss cable bottom exits through the base.

An FME female connector is fitted to the cable.



SPECIFICATIONS	GIDM90T(NextG)	GIDM90T(GSM)
Cellular Mobile Phone Network Coverage	<b>NEXT G</b> 825 to 890 MHz	<b>GSM</b> 890 to 960 MHz
VSWR	< 1.6:1 full band	< 1.6:1 full band
Tuning	Factory	Factory
Gain	<b>5.1 dBi</b>	<b>5.1 dBi</b>
Maximum Power	5 Watts	5 Watts
Impedance	50 Ohms	50 Ohms
Polarisation	Vertical	Vertical
Cable	4.5 metres RG58 low loss bottom exits	
Connector	FME female fitted (Other connectors available)	
Height	45 cm	40 cm
Weight	350 grams	350 grams
Colour	Black	Black
Mounting	Secure into any bracket with minimum 10 mm diameter hole using the threaded stud and nut assembly at the base	
Recommended Mounting Positions	Vehicle guard, boot, truck mirror or any other fixed location. Mounting brackets available.	



#### Part 1570

Optional stainless steel spring to suit GIDM90T antennas

The **1570** stainless steel spring is available separately as another mounting option for the GIDM90T cellular mobile phone antennas.

This medium duty 50 mm spring screws on to the antenna base and will dampen vehicle vibrations while travelling.

The coaxial cable threads through the the centre of the spring and drilled mounting bolt. Replacement stainless steel black powder coated whips are also available.