

ZLP4 Series

All-in-one low profile Mobile Phone & GPS Improvement

4G LTE, 4G/3G, GPS and GLONASS

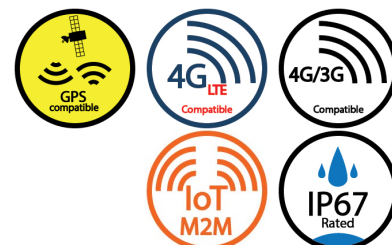


If you require an all-in-one mobile phone/wireless data and GPS antenna which is small and inconspicuous, then the ZLP4 series is your ideal solution.

These magnetic base low profile antennas are an ideal solution where there is vulnerability to vandalism, theft or damage, or when a short term, removable antenna is required.

Applications suited for these antennas are:

- Vehicle Tracking
- Automatic Vehicle Location (AVL)
- Telemetry Applications
- Transportation and remote monitoring



	ZLP4-001	ZLP4-002
Construction	Black moulded radome, magnetic base, external coaxial cable and gold plated termination	
Frequency range	698-960 MHz & 1710-2170 MHz - 4G LTE, 4G/3G, L1 GPS and L1 GLONASS	
Bandwidth	Full frequency ranges stated	
VSWR	<1.8:1	
Tuning	Factory	
Gain - nominal	1.0 dBi	
Maximum power	10 Watts	
Impedance	50 Ohms	
Polarisation	Linear	
Noise figure	<2.0 Max with 5 metre cable	
Connector	SMA male - gold plated fitted as standard or specify requirements	
Cable	3 metres H100 rear exit from antenna	5 metres H100 rear exit from antenna
Dimensions	64.7mm diameter x 15.8mm height	
Weight	76grams	102grams
Mounting	Magnet located on the base of the antenna	
Mounting position	As high on your vehicle/ structure as possible, on a flat magnetic metal surface.	
Operating temperature	-40°C to +85°C	
Waterproof Rating	IP67	



ZLP4-001
3.0 metre RG174/U



ZLP4-002
5.0 metre RG174/U

ZLP4 Series

All-in-one low profile Mobile Phone & GPS Improvement

4G LTE, 4G/3G, GPS and GLONASS



	L1 GPS	GLONASS
Frequency	1575.42 MHz	1602 MHz
Efficiency	41.3%	63.83%
Average Gain	-3.84 dBi	-1.95 dBi
Peak Gain	0.18 dBi	2.26 dBi

Active antenna performance

Frequency	1575.42 MHz +/- 1.023MHz	1602 MHz +/- 5MHz
Gain	27dB	26dB
Noise	1.27dB	1.27dB
Current Consumption	10.06mA +/- 2mA	
Output Impedance	50 Ohms	

GNSS out of band rejection

Frequency	600-1450 MHz	1680-3000 MHz
Gain	42	45

Passive antenna performance

VSWR	<3.5:1	
Impedance	50 Ohms	
Polarisation	Right-hand circular polarisation (R.H.C.P)	
ESD protection	+/- 8kV - direct discharge +/- 15kV - air discharge	

