

# High Gain GSM/3G/LTE Vehicle Antenna

## HD827W

The HD827W is a high gain magnet mount omni antenna covering the GSM, 3G and 4G LTE bands. The antenna is particularly suited for communication and jamming applications.

- Highly compact and unique electrical design
- Optimized performance for GSM, 3G and 4G LTE frequency bands
- Rugged antenna construction with shock absorption spring
- No ground plane required



Product details*	
Frequency range	790 - 2700 MHz
Matching	Passive
Polarization	Nominally vertical
Antenna type	Wideband dipole array
Radiation pattern	Omnidirectional
Gain (typical)	Measured patterns on request
VSWR	≤ 3.0
Nominal Impedance	50 Ω
Power rating (RMS)**	790 - 1000 MHz : 85 W (P <sub>max1</sub> ) 1000 - 1700 MHz: 65 W (P <sub>max2</sub> ) 1700 - 2200 MHz: 60 W (P <sub>max3</sub> ) 2200 - 2700 MHz: 55 W (P <sub>max4</sub> )
Standard color	Black
Radiator	Radome protected (radome diameter 28 mm, spring 43 mm)
Height	620 mm
Weight	1.8 kg

Installation*	
RF connection	Female N-type
Mounting	Ø 88 mm magnet (vertical holding force typically 280 N when mounted on 0.8 mm steel sheet)

\*Specific adjustments on request

Order number	Product
HD827W	Antenna as described above