

High Gain GSM/3G/LTE Vehicle Antenna

HD827M

The HD827M is a high gain 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
- Optimised 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)	4dBi(Measured patterns on request)
VSWR	≤ 3.0
Nominal Impedance	50 Ω
Power rating (RMS)**	790 - 1000 MHz : 85 W (P _{max1}) 1000 - 1700 MHz: 65 W (P _{max2}) 1700 - 2200 MHz: 60 W (P _{max3}) 2200 - 2700 MHz: 55 W (P _{max4})
Standard color	Black
Radiator	Radome protected (radome diameter 28 mm, spring 43 mm)
Height	560 mm
Weight	1.1 kg

Installation*	
RF connection	Female N-type
Mounting	4 hole US and 3/6 hole NATO pattern mount

*Specific adjustments on request

** Sum of input powers (P) should not exceed the limit of $1 \geq P_1/P_{max1} + P_2/P_{max2} + \dots$

Order number	NSN	Product
HD827M	59855-80-00-8338	Antenna as described above



Accessory: In combination with the MS1 (antenna mast mount) the antenna can also be used for mast mounting and other fixed installations.