

# High Gain GSM/3G/LTE Manpack Antenna

## HD827XQ

The HD827XQ is a high gain omni antenna covering the GSM, 3G and 4G LTE bands. The antenna is particularly suited for high power jamming applications.

- High power rating
- 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)	3 dBi
VSWR	≤ 3.5
Nominal Impedance	50 Ω
Power rating (RMS)**	790 - 1000 MHz : 175 W (P <sub>max1</sub> ) 1000 - 2200 MHz: 135 W (P <sub>max2</sub> ) 2200 - 2400 MHz: 100 W (P <sub>max3</sub> ) 2400 - 2700 MHz: 80 W (P <sub>max4</sub> )
Standard color	Black
Radiator	Radome protected
Height	565 mm
Weight	620 g

Installation*	
RF connection	Male N-type connector
Mounting	Directly to a matching connector

\*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
HD827XQ	5985-58-001-4291	Antenna as described above