

## High Gain Dual-Band Manpack Antenna HD820Q

The HD820Q is a high gain dual-band manpack antenna covering the GSM and 3G bands. The antenna is particularly suited for portable communication and jamming applications. Its centre fed design minimises interference of the human body on the radiation performance of the antenna.

- Compact and unique electrical design
- Optimised performance for GSM and 3G frequency bands
- Rugged antenna construction with shock absorption spring



Product details*	
Frequency range	800 - 960 MHz 1710 - 2170 MHz
Matching	Passive
Polarization	Nominally vertical
Antenna type	Wideband dipole array
Radiation pattern	Omnidirectional ( $\pm 1.0$ dB)
Gain (typical)	2 dBi @ 800 - 960 MHz 4 dBi @ 1710 - 2170 MHz (More details on request)
VSWR	$\leq 3.0$
Nominal Impedance	50 $\Omega$
Power rating (RMS)**	85 W @ 800 - 960 MHz ( $P_{max1}$ ) 55 W @ 1710 - 2170 MHz ( $P_{max2}$ )
Standard color	Black
Radiator	Radome protected (diameter 30 mm)
Height	560 mm
Weight	390 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  $1 \geq P_1/P_{max1} + P_2/P_{max2}$

Order number	NSN	Product
HD820Q	5985-58000-8330	Antenna as described above