

High Gain GSM/3G/LTE Manpack Antenna HD827Q

The HD827Q is a high gain manpack antenna covering the GSM, 3G and 4G LTE 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, 3G and 4G LTE frequency bands
- Rugged antenna construction with shock absorption spring (also available as lightweight version with rubber spring)



| Product details* | |
|----------------------|--|
| Frequency range | 790 - 2700 MHz |
| Matching | Passive |
| Polarization | Nominally vertical |
| Antenna type | Wideband dipole array |
| Radiation pattern | Omnidirectional |
| Gain (typical) | +2 to +5 dBi (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 (diameter 30 mm) |
| Height | 535 mm |
| Weight | 410 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 |
|--------------|------------------|--|
| HD827Q | 5985-58-000-8339 | Antenna as described above |
| HD827RQ | 5985-58-000-9607 | Antenna with rubber spring (Height: 545 mm / Weight: 310 g) |
| HD827 | - | Antenna without a spring (Height: 475 mm / Weight: 290 g) |
| HD827Q-F8 | 5985-58-000-8339 | Antenna as described above, color desert tan FS33446 |