

¼ λ Ground-Plane Antenna for the 27 MHz Band or for
Frequencies within 27...45 MHz

DESCRIPTION

- GP 27 is a glass fibre ground-plane antenna of the triple-leg type.
- The antenna is delivered factory-tuned to 27 MHz – further adjustment is not necessary for this band.
- Tunable (by cutting) to frequencies within the range: 27...45 MHz.
- The antenna can be field-tuned following the cutting diagrams below as a guide and fine-tuning using an SWR-meter.
- For a small cutting charge the antenna may also be supplied factory-tuned. In this case, please state centre frequency.
- GP 27 is made of first class materials and will endure rough climates for years – no maintenance required
- LW-SS-1" mounting bracket and GP Adaptor is available as accessories.

The radiator is measured from its free end to the bottom of the black insulator, while the radials are measured from their free ends to where they meet the GP-head.



ORDERING

| Model | Product No. |
|-------------|-------------|
| GP 27 | 100000162 |
| GP 27/42 mm | 100000163 |
| LW-SS-1" | 110000394 |
| GP Adaptor | 100000679 |

SPECIFICATIONS

| Electrical | |
|-----------------------------|--|
| Model | GP 27 |
| Frequency | Tunable by cutting within: 27-45 MHz |
| Antenna Type | Ground-plane |
| Max. Input Power | 1000 W |
| Polarisation | Vertical |
| Pattern Type | Omnidirectional |
| 3 dB Beamwidth, H-Plane | Omnidirectional |
| Impedance | 50 Ω |
| Gain | 0 dBd (2.2 dBi) |
| VSWR | < 1.3:1 @ f. res. |
| Bandwidth | 1.0 MHz @ 27 MHz (SWR < 1.5) 1.5 MHz @ 45 MHz (SWR < 1.5) |
| Mechanical | |
| Connection(s) | UHF female (fitting PL 259) |
| Materials | Elements: Glass fibre Metal parts: Bright chromed brass |
| Colour | White (RAL 9003) / Bright chrome |
| Wind Area | 0.062 sq. m / 0.67 sq. ft |
| Wind Load | 78 N (160km/h) |
| Height | 4500 mm / 177.17 in. |
| Weight | 1.7 kg / 3.75 lb |
| Mounting | 38 mm dia. mast tube (42 mm dia. as option, see note) |
| Environmental | |
| Operating Temperature Range | -30°C to +70°C |

ADDITIONAL DATA

CUTTING DIAGRAMS

