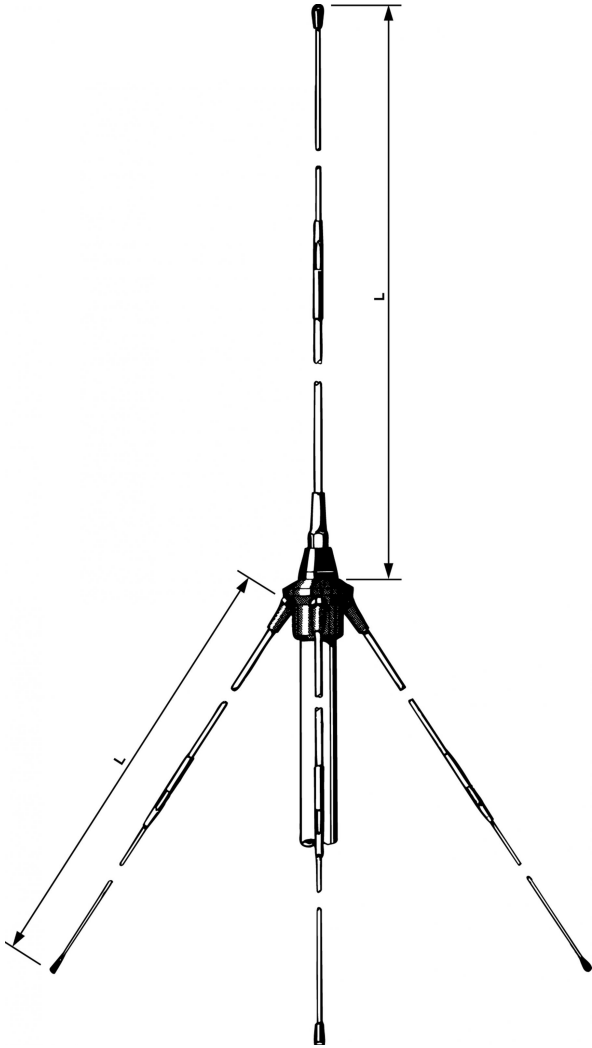


GP 27

$\frac{1}{4} \lambda$ 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.



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

ORDERING DESIGNATIONS

| TYPE | PRODUCT NO. |
|-------------|-------------|
| GP 27 | 100000162 |
| GP 27/42 mm | 100000163 |

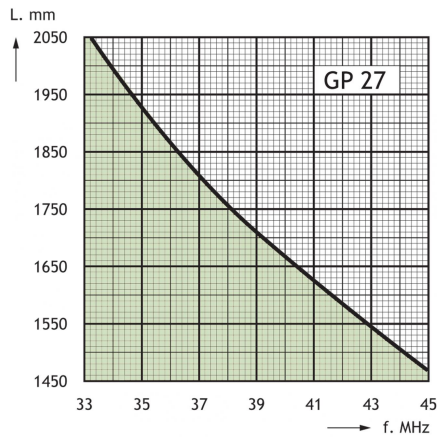
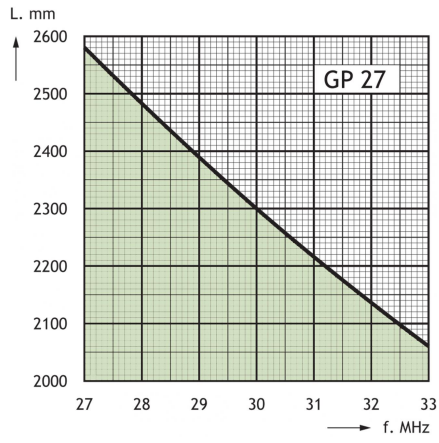
SPECIFICATIONS

| ELECTRICAL | |
|--------------|--|
| MODEL | GP 27 |
| ANTENNA TYPE | $\frac{1}{4} \lambda$ triple-leg ground-plane |
| FREQUENCY | Tunable by cutting within: 27...45 MHz |
| IMPEDANCE | Nom. 50 Ω |
| RADIATION | Omnidirectional |
| POLARIZATION | Vertical |
| GAIN | 2 dBi 0 dBd |
| BANDWIDTH | 1.0 MHz @ 27 MHz (SWR < 1.5) 1.5 MHz @ 45 MHz (SWR < 1.5) |
| SWR | < 1.3 @ f. res. |
| MAX. POWER | 1 kW |
| MECHANICAL | |
| TEMP. RANGE | -30° C \rightarrow +70° C |
| CONNECTOR | UHF-female (fitting PL-259) |
| WIND SURFACE | 0.062 m ² |
| WIND LOAD | 78 N @ 160 km/h |
| COLOUR | White/bright chrome |
| MATERIALS | Elements: Glass fibre Metal parts: Bright chromed brass |
| TOTAL HEIGHT | Approx. 4.5 m |
| WEIGHT | Approx. 1.7 kg |
| MOUNTING | 38 mm dia. mast tube (42 mm dia. as option, see note) |

PLEASE NOTE

The GP 27 can be delivered with a GP-head for mounting on 42 mm dia. mast tube (standard is 38 mm) when ordering as option GP 27/42 mm.

CUTTING DIAGRAMS



PROCOM A/S reserve the right to amend specifications without prior notice.

21/09/11