

# GP 27

**1/4 λ Ground-Plane Antenna for the 27 MHz Band  
or for Frequencies within 27...45 MHz**



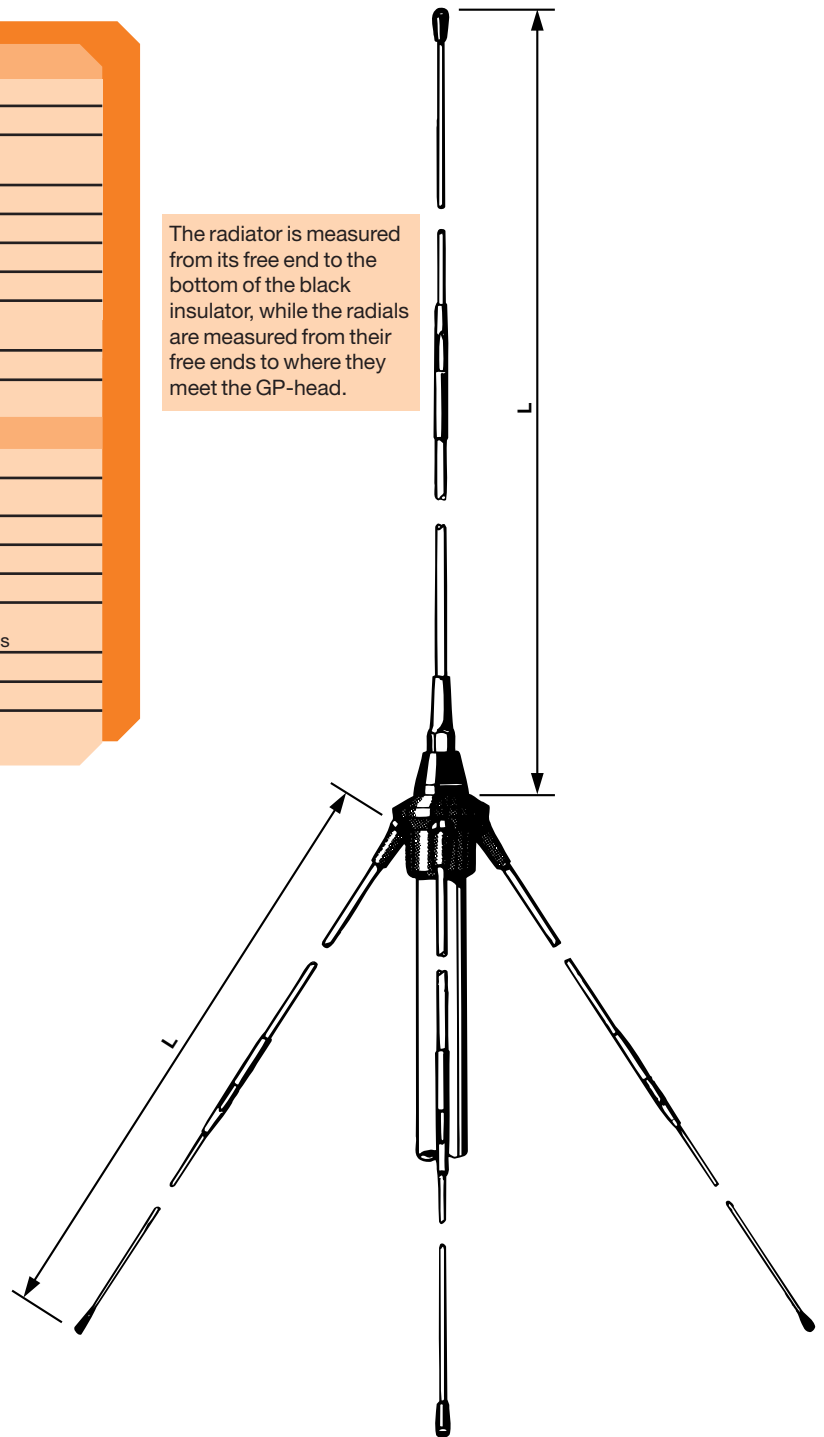
## DESCRIPTION:

- ★ GP 27 is a glassfiber 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.

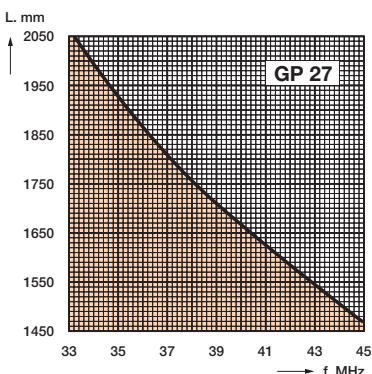
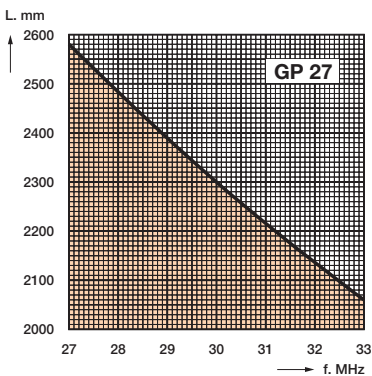
## SPECIFICATIONS:

ELECTRICAL	
MODEL	GP 27
ANTENNA TYPE	1/4 λ triple-leg ground-plane
FREQUENCY	27 MHz CB-band or: Tunable by cutting: 27...45 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARISATION	Vertical
GAIN	2 dBi 0 dBd
BAND WIDTH	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 → +70° C
CONNECTOR	UHF-female (fitting PL-259)
WIND SURFACE	0.062 m <sup>2</sup>
WIND LOAD	78 N @ 160 km/h
COLOUR	White/bright chrome
MATERIALS	Elements: Glassfiber 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)

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.



## CUTTING DIAGRAMS:



### 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**.

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