

1/4 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

