

1/4 λ Glass fibre Ground-Plane Antenna for the 80 MHz Band

DESCRIPTION

- 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.
- GP 80 is a glass fibre ground-plane antenna of the triple-leg type.
- The antenna is tunable (by cutting) within its main frequency band: 66...88 MHz but is further applicable up to 150 MHz.
- The cutting diagrams on the diagrams tab indicate the length of the radiator and the radials corresponding to a specific frequency. It is recommended to use the curves as a guide and fine-tune using an SWR-meter.
- The antenna comprises a brass GP-head, one glassfiber radiator and three glass fibre radials.
- GP 80 is made of first-class materials and will endure "wear and tear" for years – no maintenance required.
- LW-SS-1" mounting bracket and GP Adapor is available as accessories.



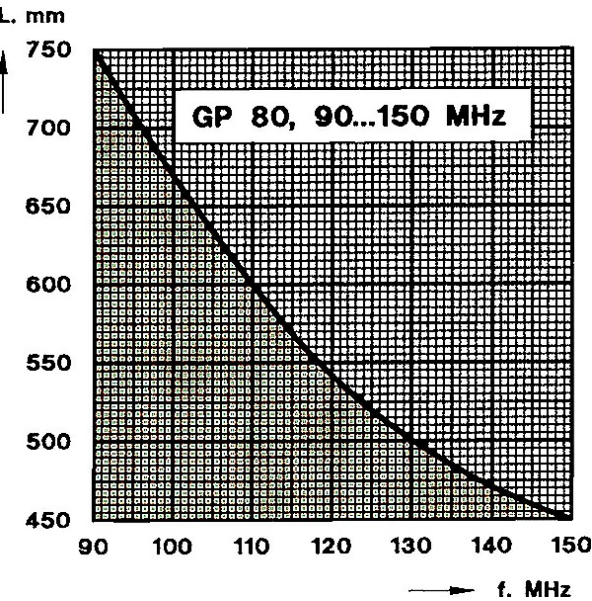
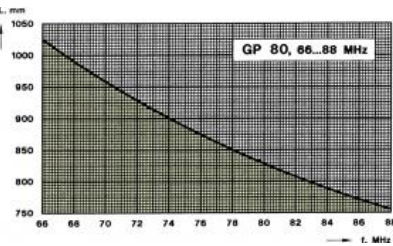
ORDERING

Type	Product No.
GP 80	100000061
GP 80/42 mm	100000062
LW-SS-1"	110000394
GP Adaptor	100000679

SPECIFICATIONS

Electrical	
Model	GP 80
Frequency	Tunable by cutting within: 66 - 88 MHz (Also applicable: 88 - 150 MHz)
Antenna Type	Ground-plane
Max. Input Power	1000 W
Polarisation	Vertical
Pattern Type	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	≤ 1.2 @ f. res.
Bandwidth	8 MHz (SWR < 2.0)
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	0.043 sq. m / 0.46 sq. ft
Wind Load	54 N @ 160 km/h / 99.42 mph.
Height	1300 mm / 51.18 in.
Weight	1.3 kg / 2.87 lb
Mounting	38 mm dia. mast tube (42 mm dia. as option, see note)

CUTTING DIAGRAMS



PLEASE NOTE

The GP 80 can be delivered with a GP-head for mounting on 42 mm dia. mast tube (standard is 38 mm) when ordering as option GP 80/42 mm.

