

¼ λ Glass fibre Ground-Plane Antenna for the 40 - 70 MHz Range

DESCRIPTION

- GP 40 is a glass fibre ground-plane antenna of the triple-leg type.
- The antenna is tunable (by cutting) within: 40...70 MHz.
- The cutting diagrams below 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 VSWR-meter.
- The antenna comprises a brass GP-head, one glass fibre radiator and three glass fibre radials.
- GP 40 is made of first-class materials and will endure "wear and tear" for years – no maintenance required.
- LW-SS-1" mounting bracket and GP Adaptor is available as accessories.



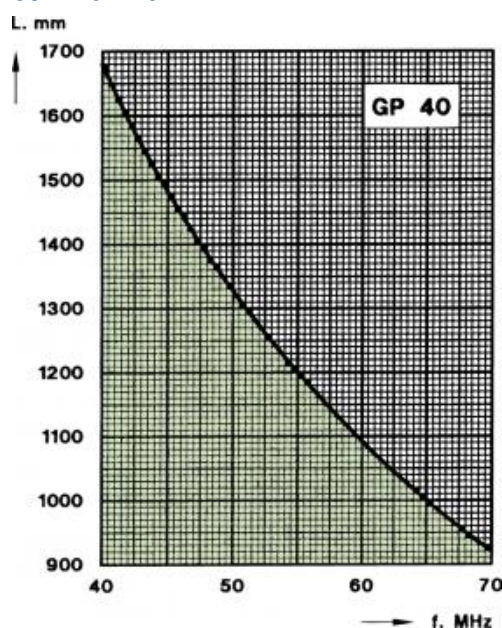
SPECIFICATIONS

Electrical	
Model	GP 40
Frequency	Tunable by cutting within : 40 - 70 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	< 1.2:1 @ f. res.
Bandwidth	1.5 MHz @ 40 MHz (VSWR = 1.5) 3 MHz @ 70 MHz (VSWR = 1.5)
Mechanical	
Connection(s)	UHF(f) (fitting PL 259)
Materials	Elements : Glass fibre Metal parts : Bright chromed brass
Colour	White (RAL 9003) / Bright chrome
Wind Area	0.075 sq. m / 0.81 sq. ft
Wind Load	95 N (160 km/h)
Height	Approx. 3200 mm / 125.98 in.
Weight	Approx. 1.6 kg / 3.53 lb.
Mounting	38 mm dia. mast tube (42 mm dia. as option, see note)

ORDERING

Model	Product No.
GP 40	100000165
GP 40/42 mm	100000167
Accessories	
LW-SS-1"	110000394
GP Adaptor	100000679

CUTTING DIAGRAM



PLEASE NOTE

The GP 40 can be delivered with a GP-head for mounting on 42 mm dia. mast tube (standard is 38 mm) when ordering as option GP 40/42 mm.

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.

