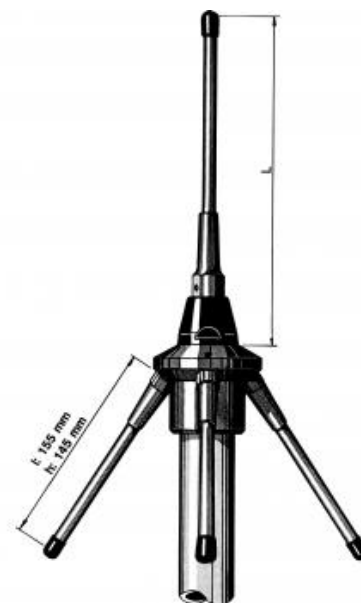


¼ λ Ground-Plane Antenna for the 450 MHz Band

DESCRIPTION

- GP 450/... is a ground-plane antenna of the triple-leg type.
- The antenna is delivered in two models tunable over the ranges 380...430 MHz (l) and 420...470 MHz (h), respectively, by adjusting the length of the radiator.
- The cutting diagram on the diagrams tab indicates how long the radiator must be corresponding to a specific centre frequency. The radiator is measured from its free end (excl. top knob) to the bottom of the black insulator. Do not cut the radials – they should be left untouched.
- GP 450/... comprises a GP-head, one radiator and threeradials – all made of chromed brass.
- GP 450/... 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 450/...
Frequency	l : 380 - 430 MHz h : 420 - 470 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)
Bandwidth	40 MHz @ VSWR 2.0

Mechanical	
Connection(s)	UHF(f) (fitting PL 259)
Materials	Chromed brass. Weather- and shockproof plastics
Colour	Metallic Silver
Wind Area	0.0128 sq. m / 0.14 sq. ft
Wind Load	16 N (160 km/h)
Height	Approx. 340 mm / 13.39 in.
Weight	Approx. 0.9 kg / 1.98 lb.
Element Diameter	8 mm / 0.31 in.
Mounting	38 mm dia. mast tube (42 mm dia. as option, see note)

Environmental	
Operating temperature range	-30 °C to +70 °C

ORDERING

Model	Product No.	Frequency
GP 450/l	100000128	Tunable within 380 - 430 MHz
GP 450/h	100000129	Tunable within 420 - 470 MHz
GP 450/l-42 mm	100000130	Same as above
GP 450/h-42 mm	100000133	Same as above
Accessories		
GP Adaptor	100000679	
LW-SS-1"	110000394	

CUTTING DIAGRAM

