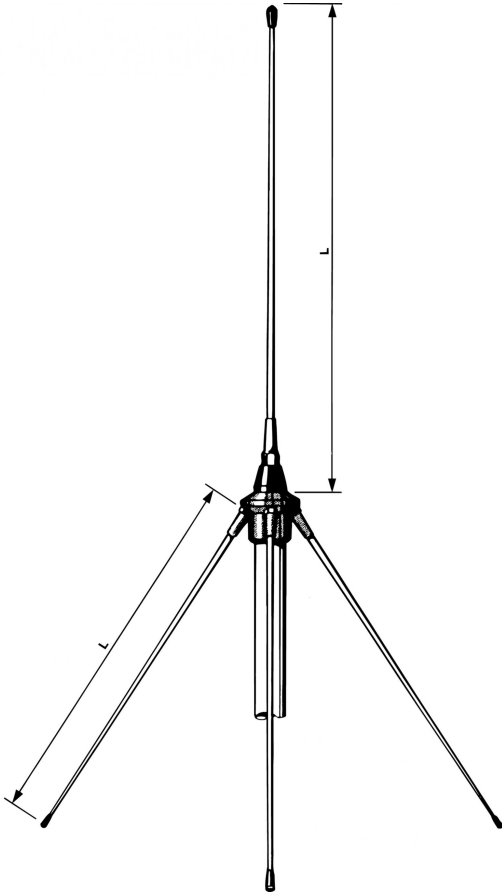# GP 160

¼ λ Glass fibre Ground-Plane Antenna for the 160 MHz Band

DESCRIPTION

- GP 160 is a glass fibre ground-plane antenna of the triple-leg type.
- The antenna is tunable (by cutting) within its main frequency band: 145…175 MHz, but is further applicable up to 400 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 SWR-meter.
- The antenna comprises a GP-head made of chromed brass, one glassfiber radiator and three glass fibre radials.
- GP 160 is made of first-class materials and will endure "wear and tear" for years – no maintenance required.

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 DESIGNATIONS

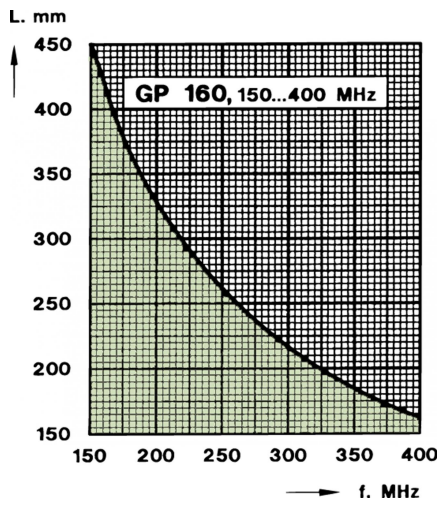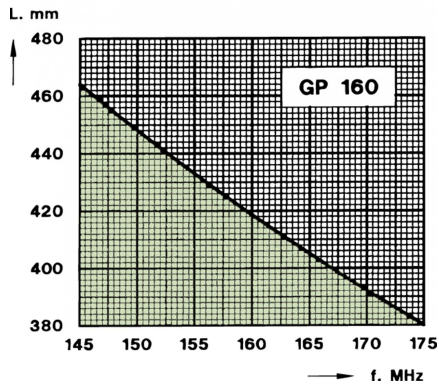| TYPE	PRODUCT NO.
GP 160	100000104
GP 160/42 mm	100000105

SPECIFICATIONS

ELETRICAL	
MODEL	GP 160
ANTENNA TYPE	¼ λ ground-plane
FREQUENCY	Tunable by cutting within: 145…175 MHz (Also applicable: 175…400 MHz)
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	12 MHz @ 160 MHz (SWR < 2.0) 30 MHz @ 400 MHz (SWR < 2.0)
SWR	≤ 1.2 @ f. res.
MAX. POWER	1 kW
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTOR	UHF-female (fitting PL-259)
WIND SURFACE	0.0184 m²
WIND LOAD	23 N @ 160 km/h
COLOUR	White/bright chrome
MATERIALS	Shroud : Polyurethane-coated glass fibre Metal parts: Bright chromed brass
TOTAL HEIGHT	Approx. 870 mm
DIA. IN TOP END	5 mm
DIA. IN BOTTOM END	8 mm
WEIGHT	Approx. 1.0 kg
MOUNTING	38 mm dia. mast tube (42 mm dia. as option, see note)

PLEASE NOTE

The GP 160 can be delivered with a GP-head for mounting on 42 mm dia. mast tube (standard is 38 mm) when ordering as option GP 160/42 mm.

PROCOM

L. mm

GP 160

f. MHz

L. mm

GP 160, 150...400 MHz

f. MHz

PROCOM