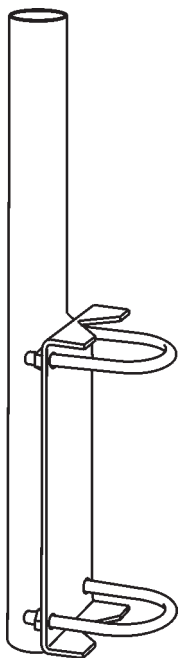


### OPTIONAL FT-2 FIXING BRACKET



Type : Side Mast Fixing Bracket  
Top Size : Ø 38 mm for antenna fitting  
Bottom Size : Ø 42/50 mm for fitting on the mast  
Weight (approx.) : 1100 gr  
Material : Galvanized Steel

**P/N 2510004.00 FT-2 Universal**

## *Model **GP 430 LB***

*UHF Base Station Antenna 380-480 MHz*



## *Installation Manual*

## DESCRIPTION

1/4  $\lambda$  wide-band antenna for base station service covering the frequency range of 380-480 MHz. It as been developed according to the most modern technologies to assure a perfect protection against the worst atmospheric climates and to get the best performance. It is entirely made of aluminium to assure strength and robustness and its radial whip is earthed.

## SPECIFICATIONS

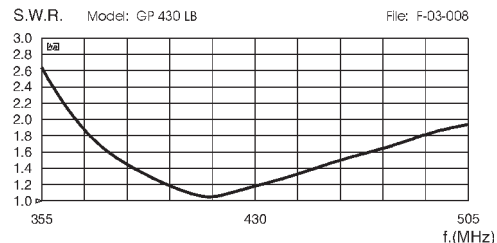
### Electrical Data

Type	:	1/4 $\lambda$ Folded Ground Plane
Frequency Range	:	380-480 MHz at V.S.W.R. $\leq$ 1.7:1
Impedance	:	50 $\Omega$ Unbalanced
Radiation (H-plane)	:	360° Omnidirectional
Radiation (E-plane)	:	Beamwidth at -3 dB = 80°
Radiation angle deg.	:	0°
Polarization	:	Vertical
Gain	:	0 dBd - 2.15 dBi
Bandwidth at V.S.W.R. 2:1	:	140 MHz
V.S.W.R. at res. freq.	:	$\leq$ 1.2 : 1
Max Power	:	300 Watts
Feed System / Posistion	:	Direct DC-Ground / Center
Connector	:	
GP 430 LB - U	:	UHF Female, gold plated central pin
GP 430 LB - N	:	N Female, gold plated central pin and teflon insulator

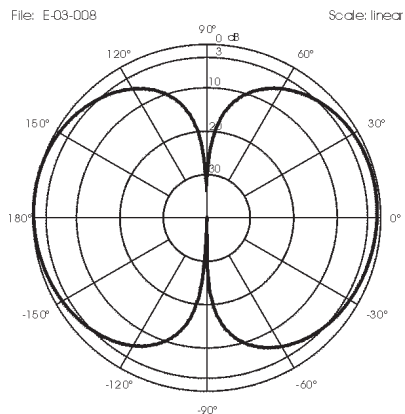
### Mechanical Data

Materials	:	Anodized Aluminium, Nylon, Stainless Steel
Wind Load / Resistance	:	18 N at 150 Km/h / 180 Km/h
Wind Surface	:	0.02 m <sup>2</sup>
Height (approx.)	:	295 mm
Weight (approx.)	:	830 gr
Mounting Mast	:	Ø 36-40 mm

TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN in E-plane at 430 MHz



## MOUNTING INSTRUCTIONS

