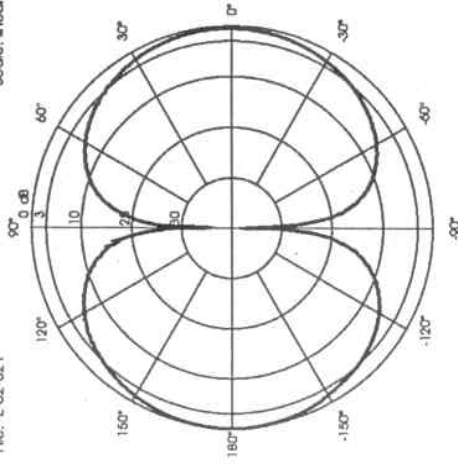


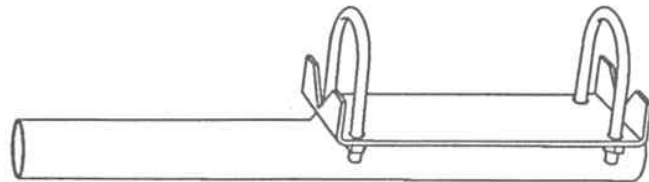
TYPICAL RADIATION PATTERN in E-plane at mid-band

File: E-02-021

Scale: linear



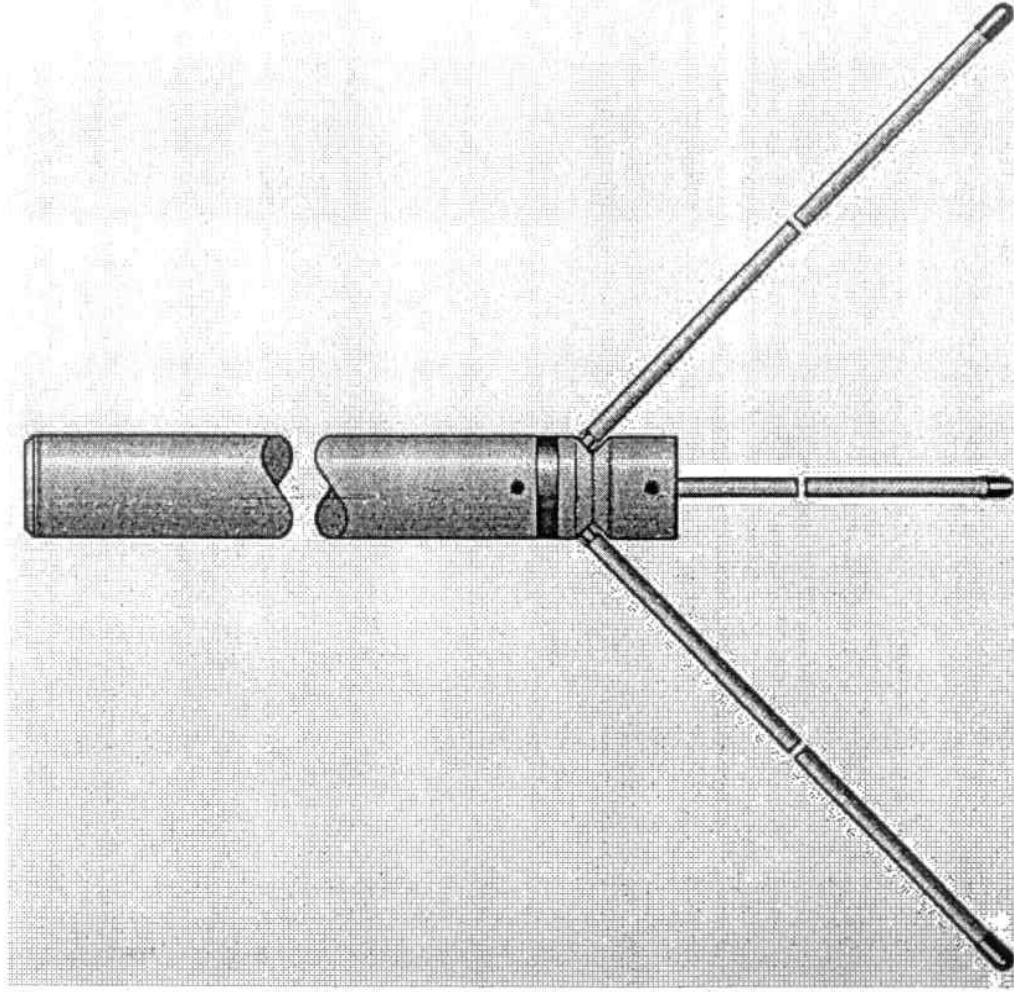
OPTIONAL FT-2 FIXING BRACKET



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

GP 66-78 LB
GP 76-88 LB



Installation Manual

DESCRIPTION

1/4 λ Ground Plane wide-band antenna for base station service. It is made of aluminium and high quality materials to get the best efficiency and robustness. Its radial whip is earthed to be protected against the static discharges.

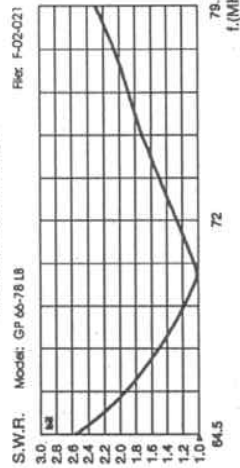
SPECIFICATIONS

Electrical Data	
Type	1/4 λ , Folded Ground Plane
Frequency Range	
GP 66-78 LB	66-78 MHz at V.S.W.R. $\leq$ 2:1
GP 76-88 LB	76-88 MHz at V.S.W.R. $\leq$ 2:1
Impedance	50 Ω Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 78°
Radiation angle deg.	0°
Polarization	Vertical
Gain	0 dBd - 2.15 dBi
Bandwidth at V.S.W.R. 2:1	
GP 66-78 LB	12 MHz
GP 76-88 LB	14 MHz
V.S.W.R. at res. freq.	$\leq$ 1.2 : 1
Max Power	1000 Watts
Feed System / Position	Direct DC-Ground / Center
Connector	
GP 66-78 / 76-88 LB - U	UHF Female
GP 66-79 / 76-88 LB - N	N Female

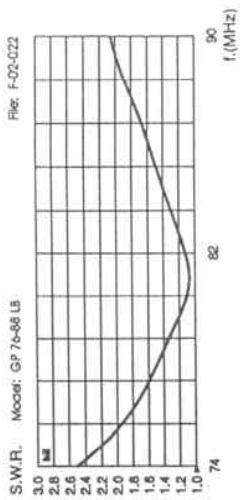
Mechanical Data

Materials	Anodized Aluminium, Nylon, Stainless Steel
Wind Load / Resistance	
GP 66-78 LB	98 N at 150 Km/h / 130 Km/h
GP 76-88 LB	85 N at 150 Km/h / 160 Km/h
Wind Surface	
GP 66-78 LB	0.09 m ²
GP 76-88 LB	0.07 m ²
Height (approx.)	
GP 66-78 LB	1640 mm
GP 76-88 LB	1400 mm
Weight (approx.)	
GP 66-78 LB	1930 gr
GP 76-88 LB	1710 gr
Mounting Mast	$\varnothing$ 36-40 mm

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



MOUNTING INSTRUCTIONS

