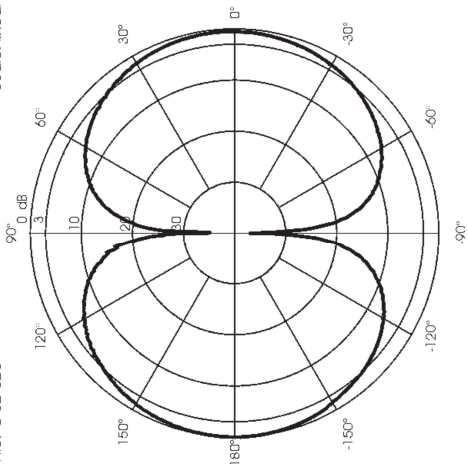
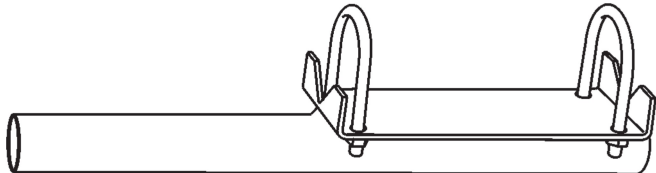


TYPICAL RADIATION PATTERN In E-plane at 122 MHz
File: E-02-020



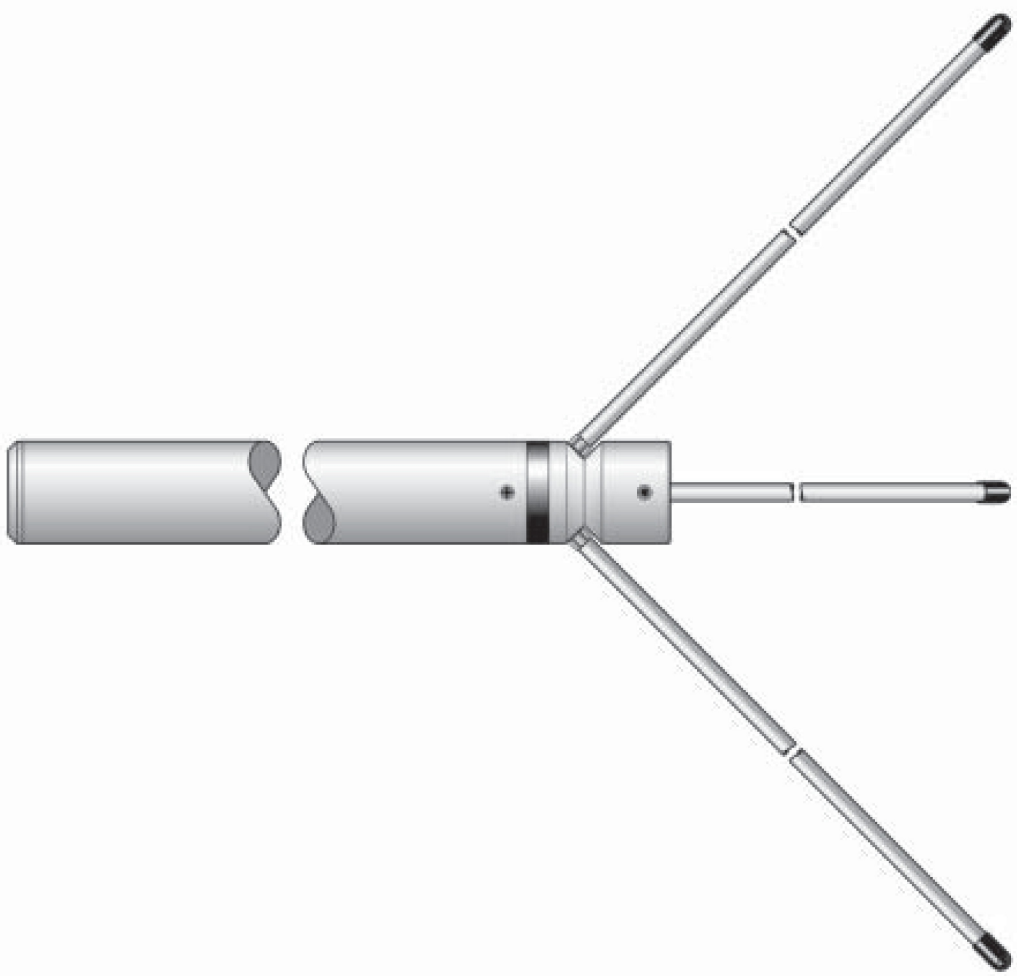
OPTIONAL FT-2 FIXING BRACKET



- 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 87-108 LB FM RADIO BAND
GP 108-136 LB VHF AIRCRAFT BAND



Installation Manual

DESCRIPTION

1/4 λ Ground Plane wide-band antenna for base station service. It is made of aluminium and hi-quality materials to get the best efficiency and robustness. Its radial whip is earthen to be protected against the static discharges. GP 87-108 LB is developed for FM radio band and GP 108-136 LB is particularly recommended for the aeronautic band service.

SPECIFICATIONS

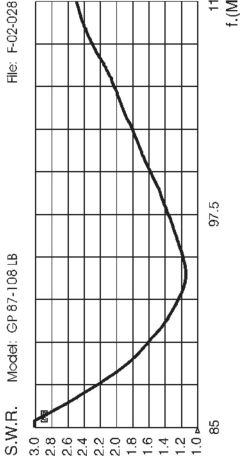
Electrical Data

Type	: 1/4 λ . Folded Ground Plane
Frequency Range	: RADIO band: 87-108 MHz at V.S.W.R. $\leq 2.5 : 1$
GP 87-108 LB	: VHF AIR. band: Rx 108-136 MHz; Tx 118-136 at V.S.W.R. $\leq 2 : 1$
GP 108-136 LB	: 50 Ω Unbalanced
Impedance	: 360° Omnidirectional
Radiation (H-plane)	: Beamwidth at -3 dB = 78°
Radiation (E-plane)	: 0°
Radiation angle deg.	: Vertical
Polarization	: 0 dBd - 2.15 dBi
Gain	: 22 MHz
Bandwidth at V.S.W.R. 2:1	: $\leq 1.2 : 1$
GP 108-136 LB	: 1000 Watts
V.S.W.R. at res. freq.	: Direct DC-Ground / Center
Max Power	: UHF Female
Feed System / Position	: N Female
Connector	
GP 87-108 / 108-136 LB-U :	
GP 87-108 / 108-136 LB-N :	

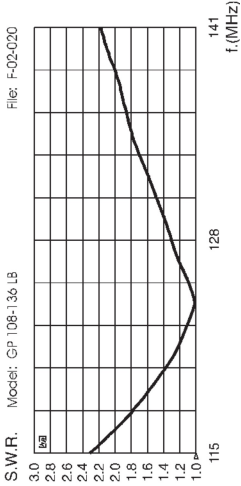
Mechanical Data

Materials	: Anodized Aluminium, Nylon, Stainless Steel
Wind Load / Resistance	
GP 87-108 LB	: 67 N at 150 Km/h / 160 Km/h
GP 108-136 LB	: 56 N at 150 Km/h / 160 Km/h
Wind Surface	
GP 87-108 LB	: 0.06 m ²
GP 108-136 LB	: 0.05 m ²
Height (approx.)	
GP 87-108 LB	: 1190 mm
GP 108-136 LB	: 890 mm
Weight (approx.)	
GP 87-108 LB	: 1500 gr
GP 108-136 LB	: 1310 gr
Mounting Mast	: Ø 36-40 mm

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



MOUNTING INSTRUCTIONS

