

## NOTE:

• It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.



MOUNTING INSTRUCTIONS

 $1/4~\lambda$  Ground Plane antenna for base station service working on 40-70 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

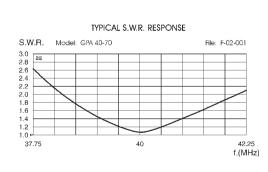
# SPECIFICATIONS

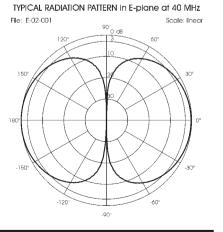
# Electrical Data

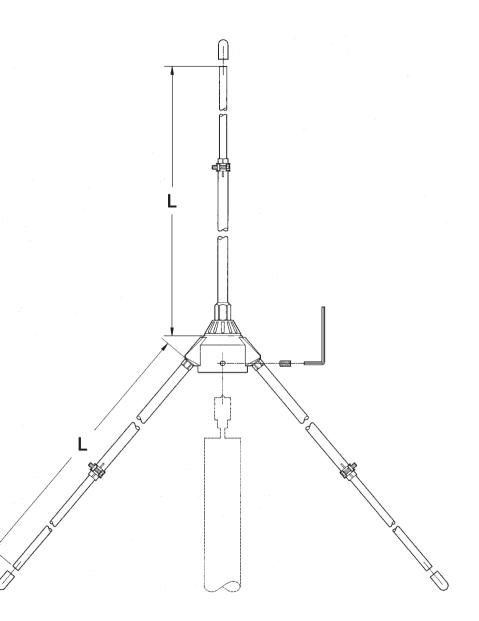
Iype	-
Frequency Range	:
Impedance	:
Radiation (H-plane)	:
Radiation (E-plane)	:
Radiation angle deg.	:
Polarization	:
Gain	:
Bandwidth at V.S.W.R. 2:1	:
V.S.W.R. at res. freq.	:
Max Power	:
Feed System / Position	:
Connection	:

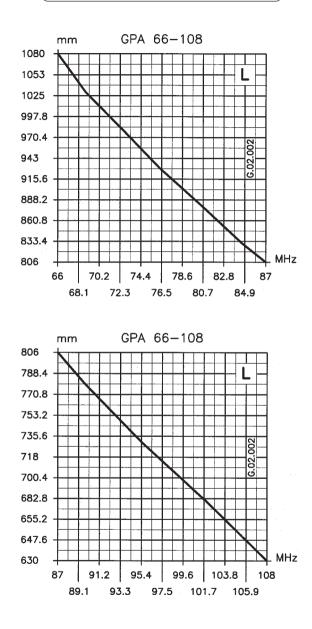
1/4 λ Ground Plane 40-70 MHz tunable by diagram 50 Ω Unbalanced 360° Omnidirectional Beamwidth at -3 dB = 86° 0° Vertical 0 dBd - 2.15 dBi 3.5 MHz at 40 MHz ≤ 1.2 : 1 1000 Watts Direct / Center UHF Female

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	85 N at 150 Km/h / 150 Km/h
Wind Surface	:	0.07 m <sup>2</sup>
Height (approx.)	:	3200 mm
Weight (approx.)	:	935 gr
Radial Length (approx)	:	1800 mm
Mounting Mast	:	Ø 35-40 mm









## NOTE:

• It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.



 $1/4 \lambda$  Ground Plane antenna for base station service working on 66-108 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

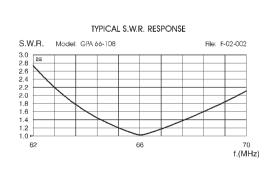
# SPECIFICATIONS

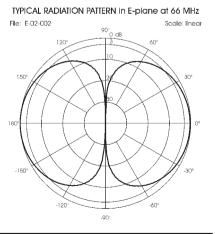
# Electrical Data

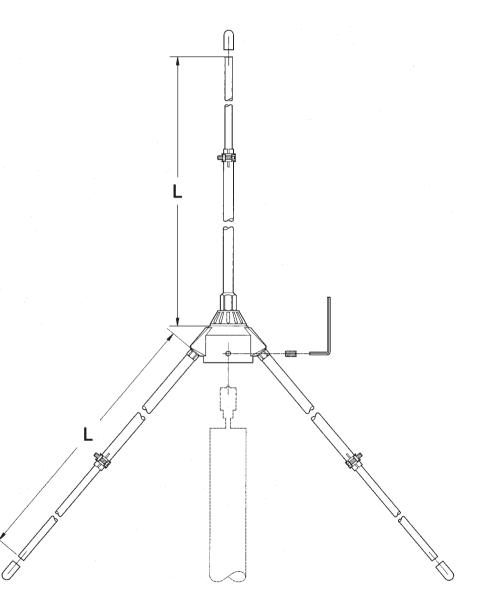
туре	
Frequency Range	:
Impedance	:
Radiation (H-plane)	:
Radiation (E-plane)	:
Radiation angle deg.	:
Polarization	:
Gain	:
Bandwidth at V.S.W.R. 2:1	:
V.S.W.R. at res. freq.	:
Max Power	:
Feed System / Position	:
Connection	:

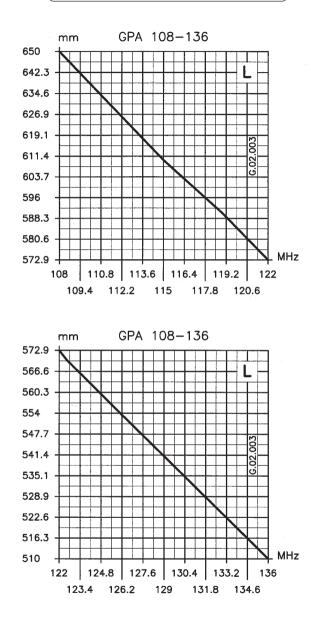
1/4 λ Ground Plane 66-108 MHz tunable by diagram 50 Ω Unbalanced 360° Omnidirectional Beamwidth at -3 dB = 86° 0° Vertical 0 dBd - 2.14 dBi 6.5 MHz at 66 MHz ≤ 1.2 : 1 500 Watts Direct / Center UHF Female

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	54 N at 150 Km/h / 150 Km/h
Wind Surface	:	0.05 m <sup>2</sup>
Height (approx.)	:	1930 mm
Weight (approx.)	:	700 gr
Radial Length (approx)	:	1080 mm
Mounting Mast	:	Ø 35-40 mm









## NOTE:

• It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.



 $1/4 \lambda$  Ground Plane antenna for base station service working on 108-136 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

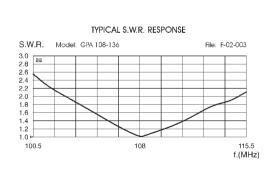
# SPECIFICATIONS

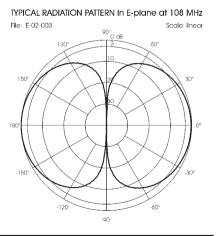
#### **Electrical Data**

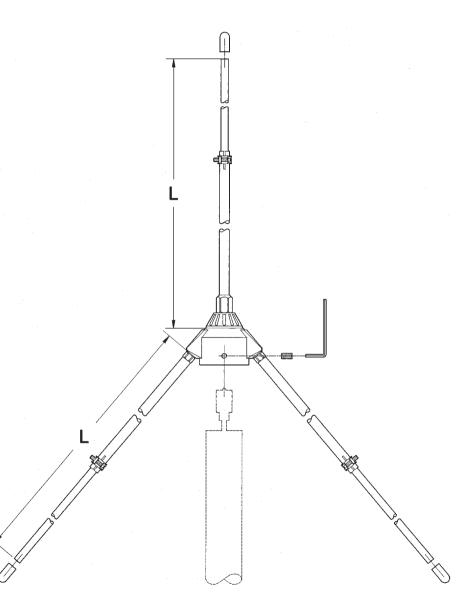
Туре	:
Frequency Range	:
Impedance	:
Radiation (H-plane)	:
Radiation (E-plane)	:
Radiation angle deg.	:
Polarization	:
Gain	:
Bandwidth at V.S.W.R. 2:1	:
V.S.W.R. at res. freq.	:
Max Power	:
Feed System / Position	:
Connection	:

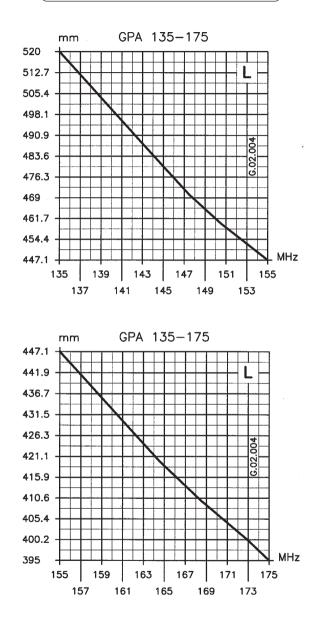
1/4 λ Ground Plane 108-136 MHz tunable by diagram 50 Ω Unbalanced 360° Omnidirectional Beamwidth at -3 dB = 86° 0° Vertical 0 dBd - 2.15 dBi 12 MHz at 108 MHz ≤ 1.2 : 1 500 Watts Direct / Center UHF Female

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	35 N at 150 Km/h / 150 Km/h
Wind Surface	:	0.03 m <sup>2</sup>
Height (approx.)	:	1185 mm
Weight (approx.)	:	565 gr
Radial Length (approx)	:	650 mm
Mounting Mast	:	Ø 35-40 mm









## NOTE:

• It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.

© Copyright SIRIO antenne - Technical Data are subjected to change - Printed in ITALY - Rev. 02/07/1998 - Cod. ID178

# Model **GPA 135-175** VHF Ground Plane Antenna 135-175 MHz



MOUNTING INSTRUCTIONS

 $1/4 \lambda$  Ground Plane antenna for base station service working on 135-175 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

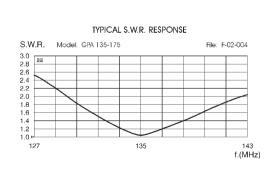
# SPECIFICATIONS

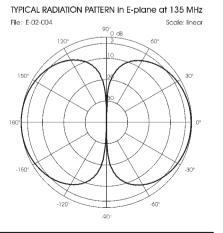
# Electrical Data

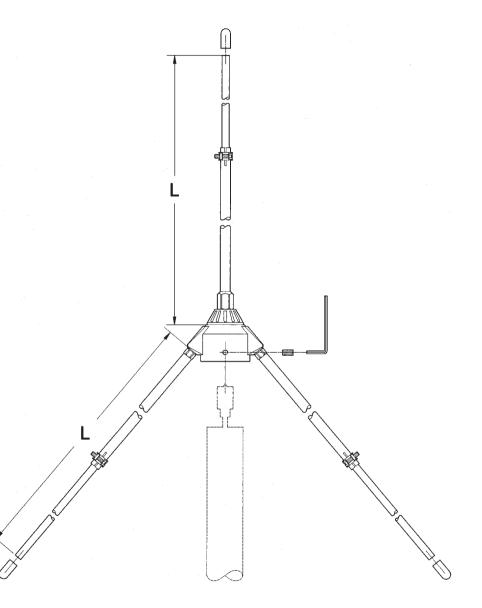
Туре	
Frequency Range	:
Impedance	:
Radiation (H-plane)	:
Radiation (E-plane)	:
Radiation angle deg.	:
Polarization	:
Gain	:
Bandwidth at V.S.W.R. 2:1	:
V.S.W.R. at res. freq.	:
Max Power	:
Feed System / Position	:
Connection	:

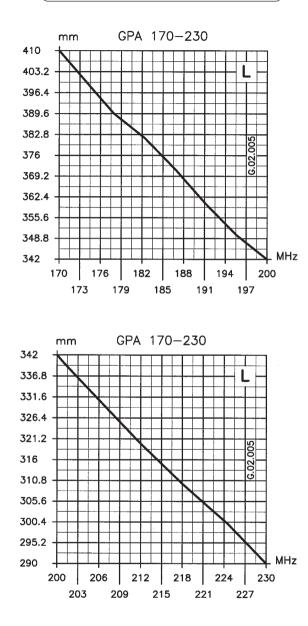
1/4 λ Ground Plane 135-175 MHz tunable by diagram 50 Ω Unbalanced 360° Omnidirectional Beamwidth at -3 dB = 86° 0° Vertical 0 dBd - 2.15 dBi 13 MHz at 135 MHz ≤ 1.2 : 1 300 Watts Direct / Center UHF Female

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	29 N at 150 Km/h / 180 Km/h
Wind Surface	:	0.03 m <sup>2</sup>
Height (approx.)	:	960 mm
Weight (approx.)	:	520 gr
Radial Length (approx)	:	520 mm
Mounting Mast	:	Ø 35-40 mm









## NOTE:

• It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.



 $1/4 \lambda$  Ground Plane antenna for base station service working on 170-230 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

# SPECIFICATIONS

#### **Electrical Data**

Туре	:
Frequency Range	:
Impedance	:
Radiation (H-plane)	:
Radiation (E-plane)	:
Radiation angle deg.	:
Polarization	:
Gain	:
Bandwidth at V.S.W.R. 2:1	:
V.S.W.R. at res. freq.	:
Max Power	:
Feed System / Position	:
Connection	:

1/4 λ Ground Plane 170-230 MHz tunable by diagram 50 Ω Unbalanced 360° Omnidirectional Beamwidth at -3 dB = 86° 0° Vertical 0 dBd - 2.15 dBi 19 MHz at 170 MHz ≤ 1.2 : 1 300 Watts Direct / Center UHF Female

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	24 N at 150 Km/h / 180 Km/h
Wind Surface	:	0.02 m <sup>2</sup>
Height (approx.)	:	760 mm
Weight (approx.)	:	480 gr
Radial Length (approx)	:	410 mm
Mounting Mast	:	Ø 35-40 mm

