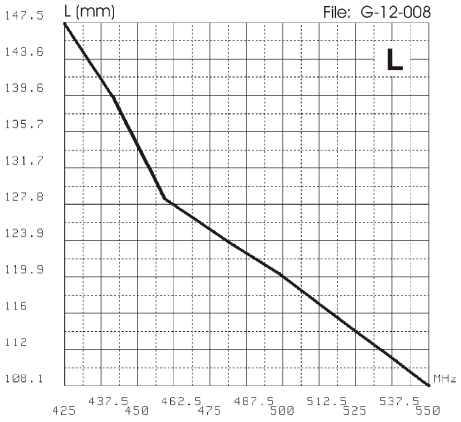
TUNING INSTRUCTIONS

TYPICAL TUNING DIAGRAM vs FREQUENCY



SMA 108-550 PL

VHF 108...550 MHz Stainless steel whip

SIRIO antenne HI-QUALITY ANTENNAS MADE IN ITALY

Installation Manual

DESCRIPTION

1/4 mobile antenna covering the frequency range of 108...550 MHz by using the enclosed cutting diagram. It is made of 17/7 PH stainless steel and supplied with a UHF-male (PL-259) connector suitable for the fitting on magnetic mounts, angular connector or portable RTx.

SPECIFICATIONS

Electrical Data

Type	: 1/4
Frequency Range	: from 108 to 550 MHz tunable by cutting
Impedance	: 50
Radiation	: Omnidirectional
Polarization	: Linear Vertical
Gain	: 0 dB ref. to a /4 whip
Bandwidth @ SWR 2	: 11 MHz @ 108 MHz ("MAG 125 PL" mount)
SWR @ res. freq.	: 1.4 @ 108 MHz ("MAG 125 PL" mount)
Max Power	: 100 Watts
Connector	: UHF-male (PL-259)

Mechanical Data

Materials	: Stainless steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	: 663 mm
Weight (approx.)	: 55 gr

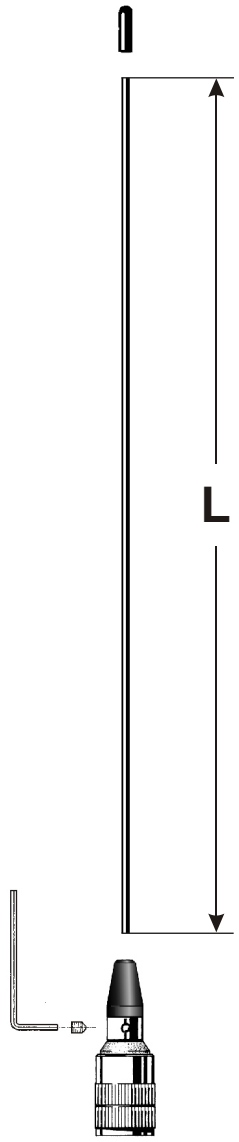
ALTERNATIVE MOUNT TYPE

MAG 125 PL:
Frequency Range: from DC to 500 MHz
Overall Size: Ø 127 mm
Materials: Chromed Brass, Nylon, Rubber
Cable: 3.6 m RG 58 / PL 259 R male
Antenna connection: UHF-female

P/N 2502602.05 MAG 125 PL

SIRIO antenne HI-QUALITY ANTENNAS MADE IN ITALY

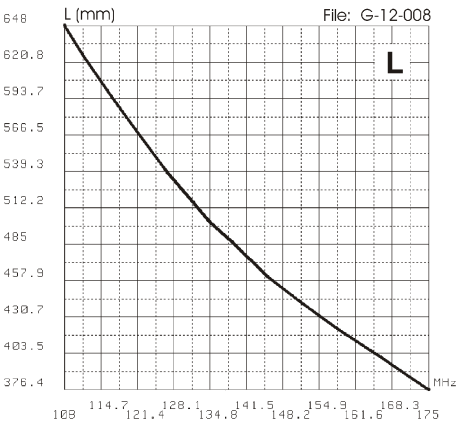
TUNING INSTRUCTIONS



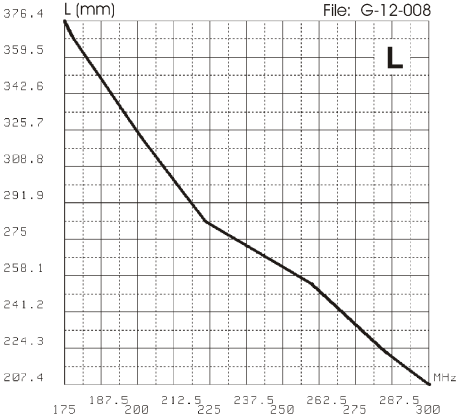
NOTE:

- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.
- The cutting diagram measurement has been made by using a SIRIO magnetic mount (MAG 125 PL, MAG 145 PL and MAG H 12 PL)

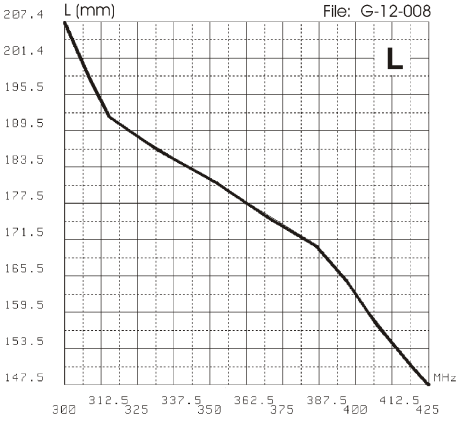
TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY

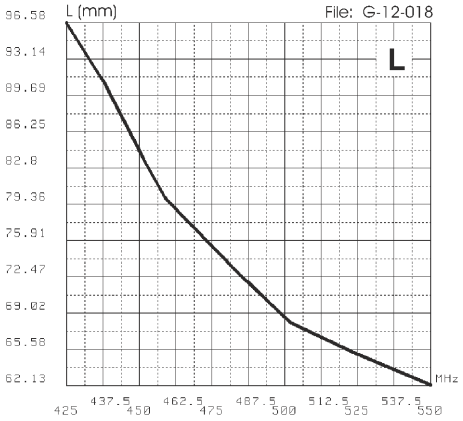


TYPICAL TUNING DIAGRAM vs FREQUENCY



TUNING INSTRUCTIONS

TYPICAL TUNING DIAGRAM vs FREQUENCY



MGA 108-550 PL MGA-E 136-174MHZ

VHF 108...550 MHz or 136-174MHz (Egypt market only)

Stainless steel whip with spring

SIRIO antenne HI-QUALITY ANTENNAS MADE IN ITALY

Installation Manual

DESCRIPTION

1/4 λ mobile antenna covering the frequency range of 108...550 MHz by using the enclosed cutting diagram. It is made of 17/7 PH stainless steel and supplied with a UHF-male (PL-259) connector suitable for the fitting on magnetic mounts, angular connector or portable RTx.

SPECIFICATIONS

Electrical Data

Type	: 1/4 λ
Frequency Range	: from 108 to 550 MHz tunable by cutting
	: 136-174 MHZ (MGA-E 136-174 MHZ for Egypt market only)
Impedance	: 50 Ω
Radiation	: Omnidirectional
Polarization	: Linear Vertical
Gain	: 0 dB ref. to a λ/4 whip
Bandwidth @ SWR ≤ 2	: ≥ 11.5 MHz @ 108 MHz ("MAG 125 PL" mount)
SWR @ res. freq.	: ≤ 1.5 @ 108 MHz ("MAG 125 PL" mount)
Max Power	: 100 Watts
Connector	: UHF-male (PL-259)

Mechanical Data

Materials	: Stainless steel 17/7 PH, Chromed Brass
Height (approx.)	: 670 mm
Weight (approx.)	: 70 gr

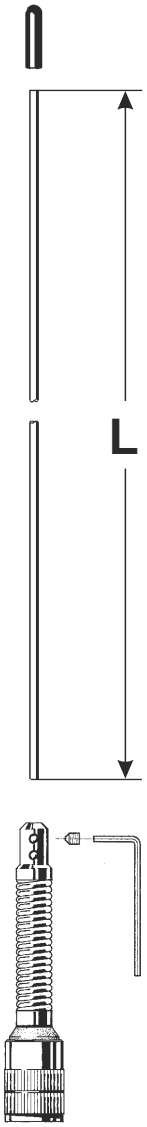
ALTERNATIVE MOUNT TYPE

MAG 125 PL:
Frequency Range: from DC to 500 MHz
Overall Size: Ø 127 mm
Materials: Chromed Brass, Nylon, Rubber
Cable: 3.6 m RG 58 / PL 259 R male
Antenna connection: UHF-female

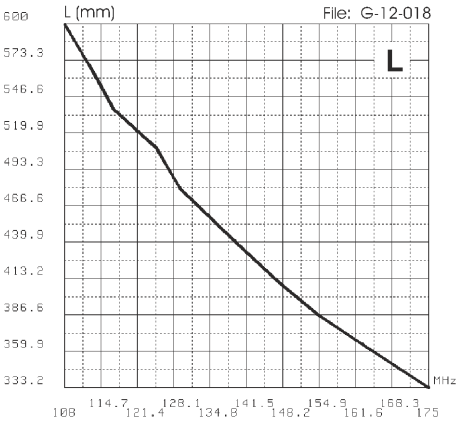
P/N 2502602.05 MAG 125 PL

SIRIO antenne HI-QUALITY ANTENNAS MADE IN ITALY

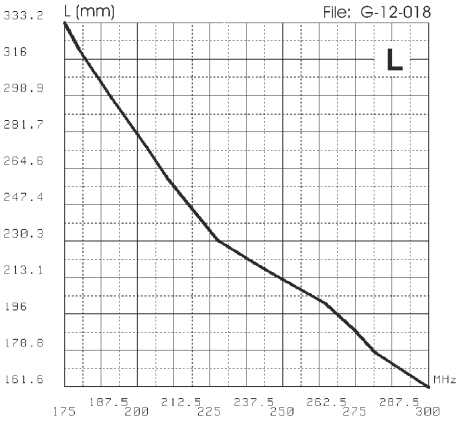
TUNING INSTRUCTIONS



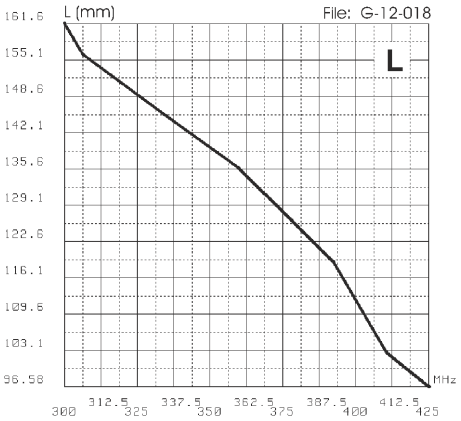
TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



NOTE:

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- The cutting diagram measurement has been made by using a SIRIO magnetic mount (MAG 125 PL, MAG 145 PL and MAG H 12 PL)