

SU 375-480 PL

UHF Mobile Antenna 375...480 MHz



Installation Manual



SIRIO
antenne

HI-QUALITY ANTENNAS MADE IN ITALY

DESCRIPTION

UHF colinear antenna for mobile service covering the full band of 375-480 MHz by cutting. The spring radiators is made of 17/7PH stainless steel with a nylon reinforce to get the maximum strength and flexibility. It is supplied with a UHF-male (PL 259) connector suitable for the fitting on magnetics mounts, angular connectors and portable RTx.

SPECIFICATIONS

Electrical Data

Type	:	$1/4 \lambda + 1/2 \lambda$ Colinear
Frequency Range	:	from 375 to 480 MHz tunable by cutting
Impedance	:	50 Ω
Radiation	:	Omnidirectional
Polarization	:	Vertical
Gain	:	3.5 dB ref. to a $\lambda/4$ whip
Bandwidth @ SWR ≤ 2	:	≥ 30 MHz @ 375 MHz
SWR @ res. freq.	:	≤ 1.6
Max Power	:	100 Watts
Feed System / Position	:	Direct / Base
Connector	:	"UHF" male (PL 259)

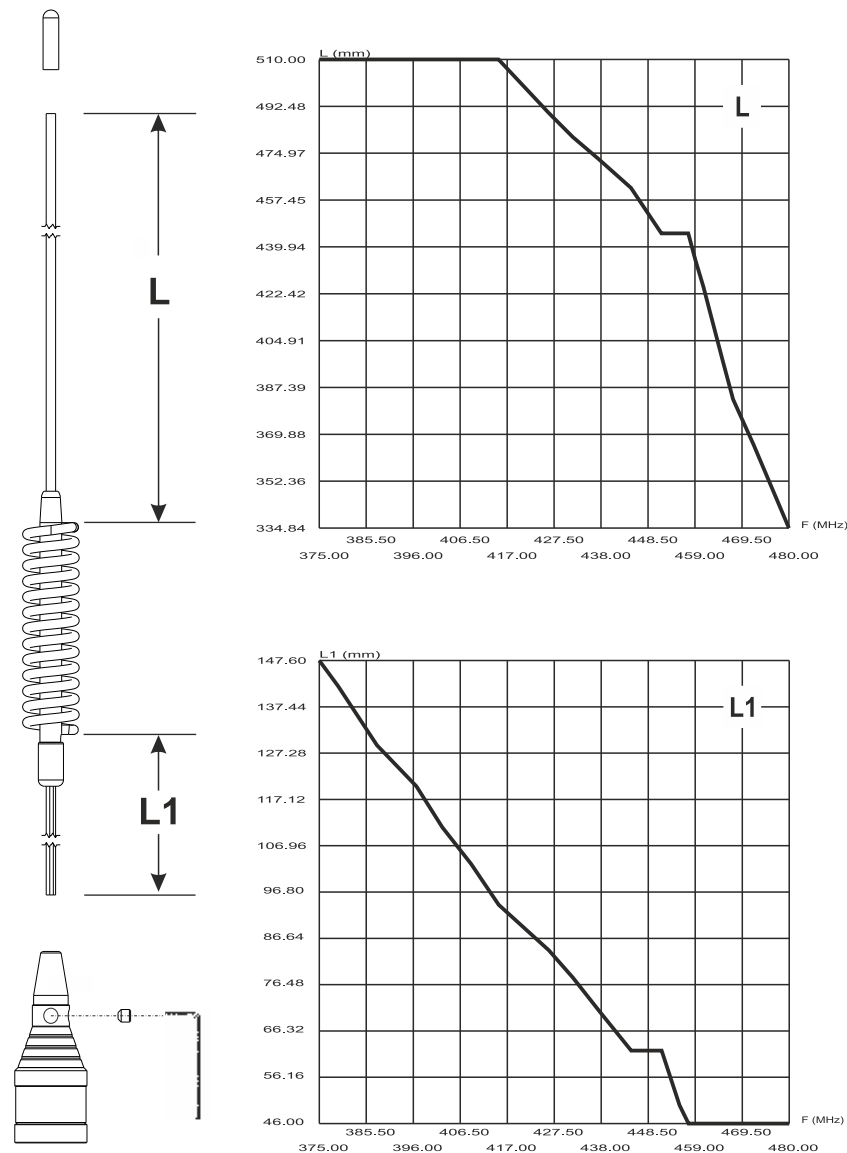
Mechanical Data

Materials	:	Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	:	750 mm
Weight (approx.)	:	125 gr

"UHF" MALE (PL-259) VIEW



TYPICAL TUNING DIAGRAMS



NOTE:

- The cutting diagram measurement has been made by using SIRIO magnetic mounts (recommended models: PM 100 PL, PM 125 PL and MAG 145 PL) or HP-AC/U for hole installation.
- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.