

**SU 375-480 PL**  
UHF Mobile Antenna 375-480 MHz



## 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.

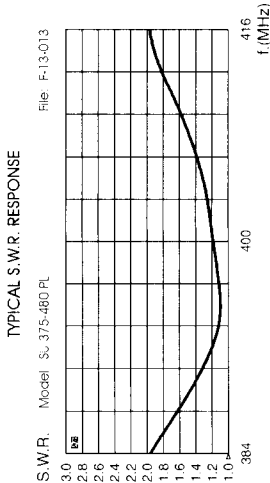
## SPECIFICATIONS

### Electrical Data

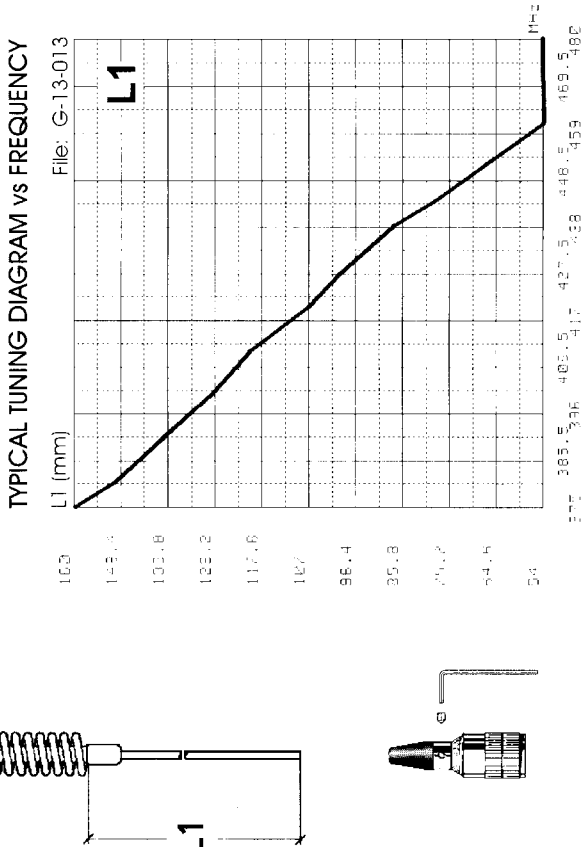
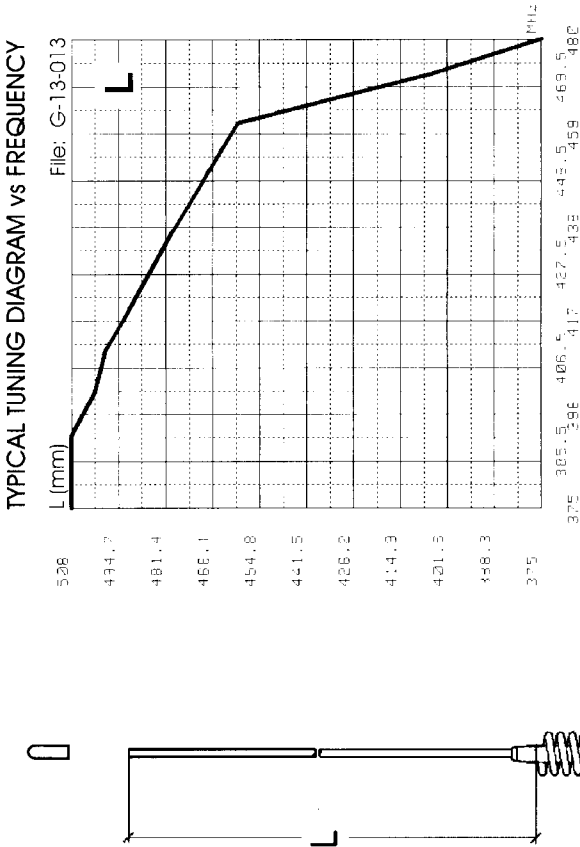
|                          |  |
|--------------------------|--|
| Type                     | : 1/4 $\lambda$ + 1/2 $\lambda$ Colinear |
| Frequency Range          | : from 375 to 480 MHz tunable by cutting |
| Impedance                | : 50 $\Omega$ Unbalanced                 |
| Radiation         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

### Mechanical Data

|                  |  |
|------------------|--|
| Materials        | : Stainless Steel, Nylon,Chromed Brass |
| Height (approx.) | : 760 mm                               |
| Weight (approx.) | : 160 gr                               |



## TYPICAL TUNING DIAGRAMS



### NOTE:

- The cutting diagram measurement has been made by using SIRIO magnetic mounts (recommended models:MAG H 12 PL, MAG 125 PL, MAG 160 PL) or HP-AC/U for hole installation.
- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.