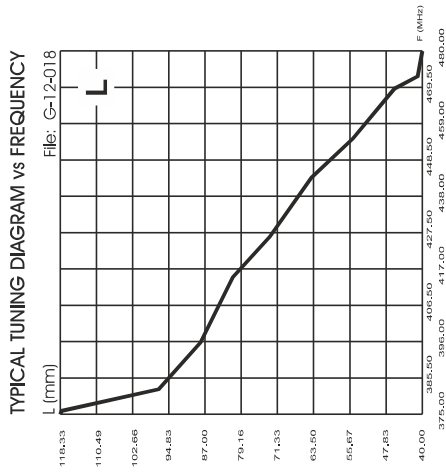


## TUNING INSTRUCTIONS



**MGA 108-480 PL MGA-E 136-174MHZ**  
VHF 108...480 MHz or 136-174MHz  
Stainless steel whip with spring



## ALTERNATIVE MOUNT TYPE



### PM 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 PM 125 PL

## DESCRIPTION

1/4  $\lambda$  mobile antenna covering the frequency range of 108...480 MHz by using the enclosed cutting diagram. It is made of stainless steel rod and spring and supplied with a UHF-male (PL-259) connector suitable for the fitting on magnetic mounts, angular connector or portable RTX.

## SPECIFICATIONS

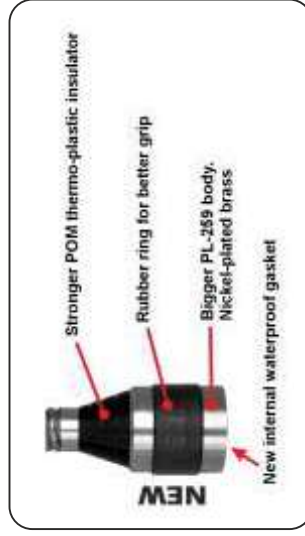
### Electrical Data

Type	: 1/4 $\lambda$
Frequency Range	: from 108 to 480 MHz tunable by cutting : 136-174 MHz ( MGA-E 136-174 MHz)
Impedance	: 50 $\Omega$
Radiation	: Omnidirectional
Polarization	: Linear Vertical
Gain	: 0 dB ref. to a $\lambda/4$ whip
Bandwidth @ SWR $\leq$ 2	: $\geq$ 5 MHz @ 108 MHz ("PM 125 PL" mount)
SWR @ res. freq.	: $\leq$ 1.7 @ 108 MHz ("PM 125 PL" mount)
Max Power	: 100 Watts
Connector	: UHF-male (PL-259)

### Mechanical Data

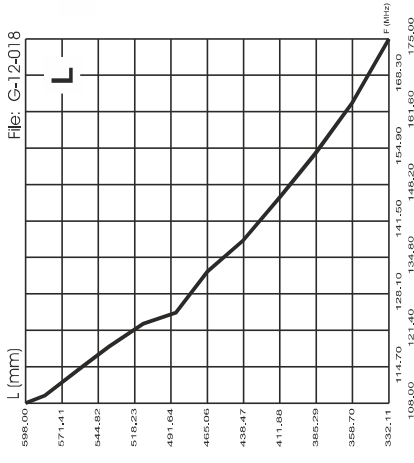
Materials	: Stainless steel 17/7 PH + AISI 302, Chromed Brass
Height (approx.)	: 775 mm
Weight (approx.)	: 110 gr

### "UHF" MALE (PL-259) VIEW

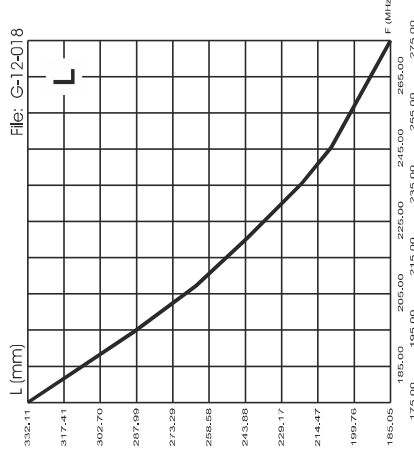


## TUNING INSTRUCTIONS

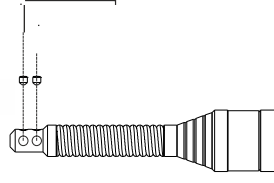
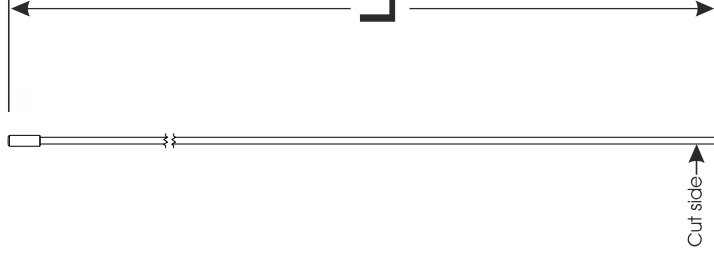
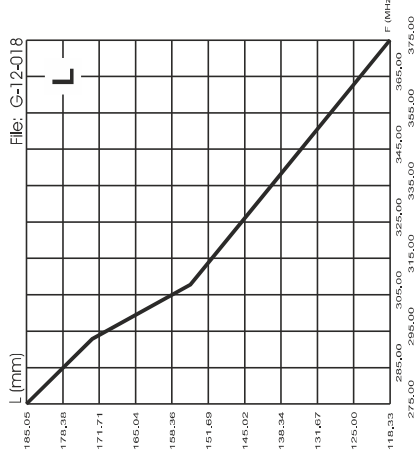
TYPICAL TUNING DIAGRAM vs FREQUENCY  
File: G-12-018



TYPICAL TUNING DIAGRAM vs FREQUENCY  
File: G-12-018



TYPICAL TUNING DIAGRAM vs FREQUENCY  
File: G-12-018



### 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 (PM 100PL, PM125PL and MAG145PL).
- Cut the bottom side of the radiator.