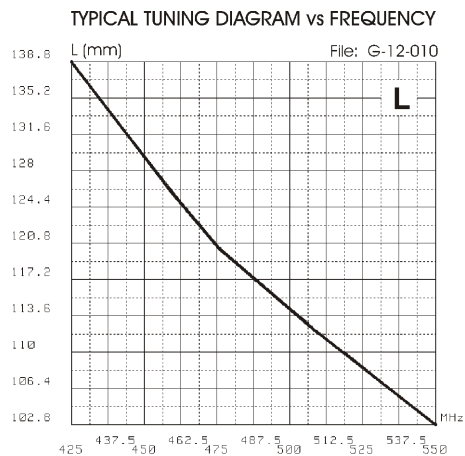
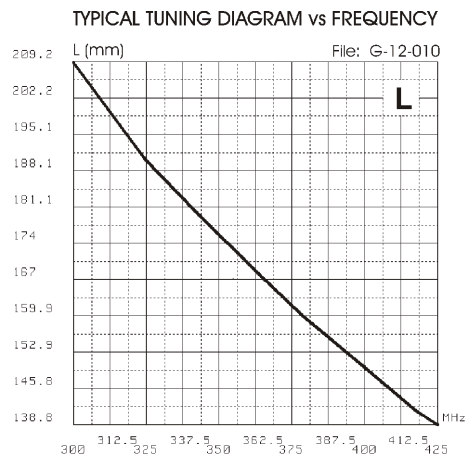
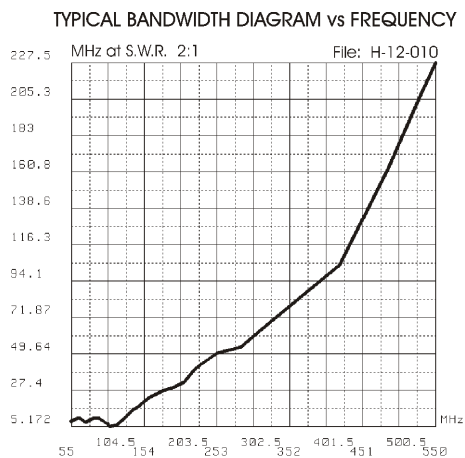
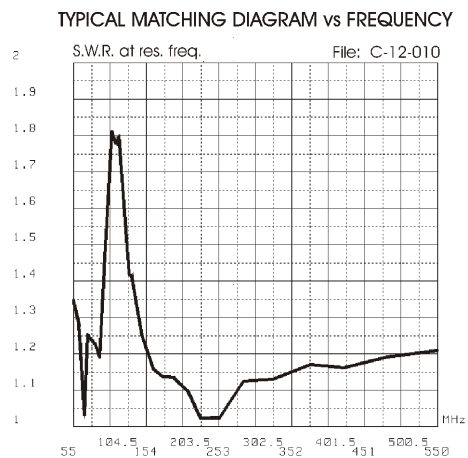


TUNING INSTRUCTIONS



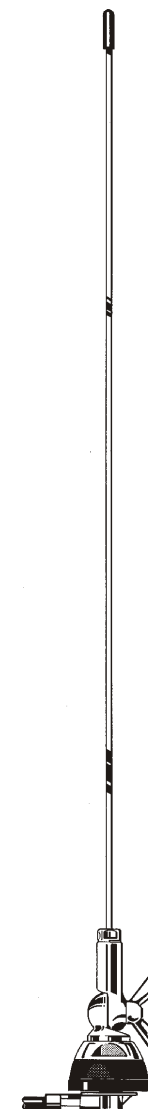
MATCHING & BANDWIDTH DIAGRAMS



SMA 55-550

SMA 108-550

VHF Mobile Antennas 55...550 MHz or 108...550 MHz Stainless steel whip



DESCRIPTION

1/4 λ mobile antennas covering the frequency range of 55...550 MHz or 108...550 MHz by using the enclosed cutting diagram. SMA series is made of 17/7 PH stainless steel rod and supplied with "SL", "S" mount (from 55 up to 300 MHz) or "N" mount (from 55 up to 100 MHz).

SPECIFICATIONS

Electrical Data

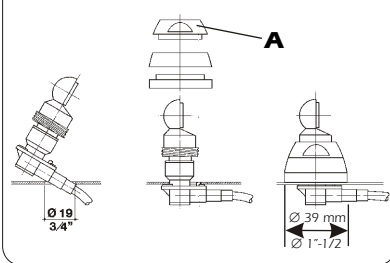
Type	: 1/4 λ
Frequency Range	: SMA 55-550 from 55 to 550 MHz tunable by cutting : SMA 108-550 from 108 to 550 MHz tunable by cutting
Impedance	: 50 Ω
Radiation	: Omnidirectional
Polarization	: Linear Vertical
Gain	: 0 dB ref. to a $\lambda/4$ whip
Bandwidth @ SWR ≤ 2	: see diagram ("SL" mount)
SWR @ res. freq.	: see diagram ("SL" mount)
Max Power	: 100 Watts
Standard Mount	: "SL", mounting hole $\varnothing$ 19 mm, cable 5m RG 58 (55...550 MHz)
Alternative Mount	: "S", mounting hole $\varnothing$ 19 mm, cable 5m RG 58 (55...300 MHz only) : "N", mounting hole $\varnothing$ 12.5 mm, cable 4m RG 58 (55..100MHz only)

Mechanical Data

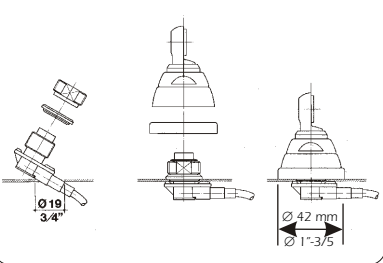
Materials	: Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	: SMA 55-550 1360 mm : SMA 108-550 720 mm
Weight (approx.)	: 400 gr

MOUNT INSTALLATIONS

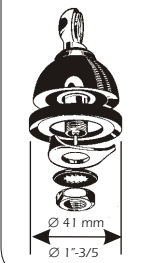
"SL" Mount



"S" Mount



"N" Mount

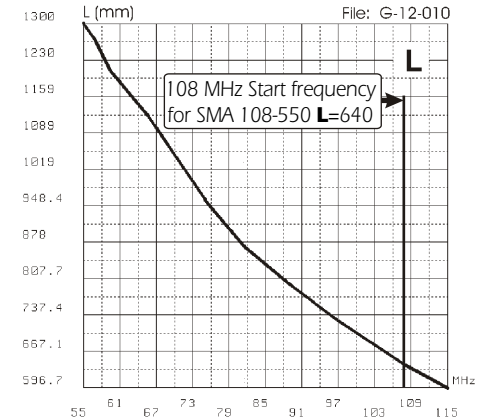


"SL" MOUNT REMARK: Be careful during installation do not use too much strenght but tighten the metal ring **A** by means of the suitable tool. **TIGHTENING TORQUE: 4 Nm $\pm$ 10%**

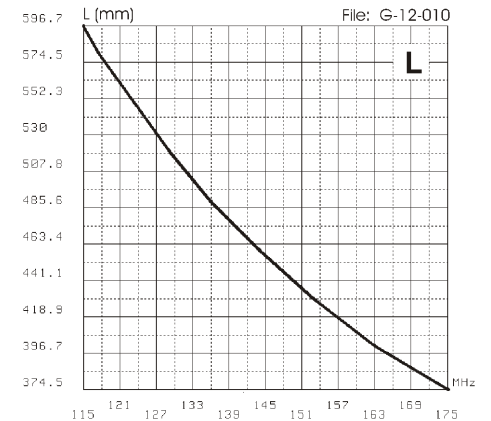
PRECAUZIONE PER BASE "SL": Porre attenzione durante l'installazione. Non serrare con troppa forza ma avvitare l'anello metallico **A** utilizzando la chiave adeguata. **COPPIA DI SERRAGGIO: 4 Nm $\pm$ 10%**

TUNING INSTRUCTIONS

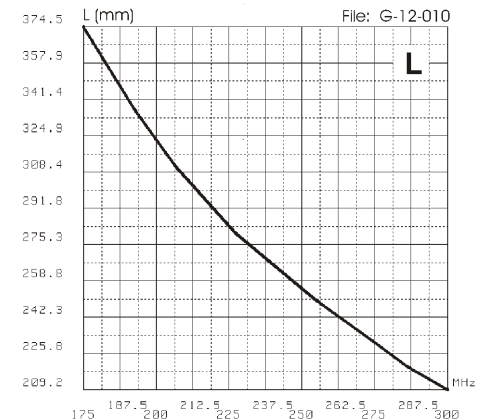
TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



TYPICAL TUNING DIAGRAM vs FREQUENCY



NOTE:

- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.