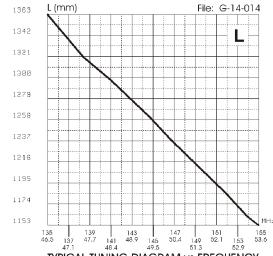
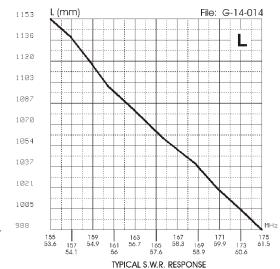
TUNING INSTRUCTIONS

SMA 47/135

TYPICAL TUNING DIAGRAM vs FREQUENCY



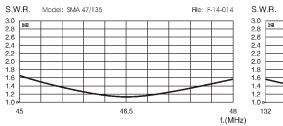
TYPICAL TUNING DIAGRAM vs FREQUENCY

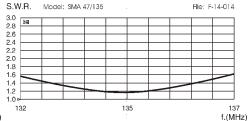


NOTE:

• Use the curves just as a guide. For finetuning please use an SWR-Meter.

TYPICAL S.W.R. RESPONSE





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SM 48/140

SMA 47/135

6m & 2m Dual band VHF Mobile Antennas



Installation Manual

DESCRIPTION

Dual band VHF vehicular antennas working on 6m band and 2m band by means of the attached cutting diagram. SM is made of tapered black fiberglass whip while SMA is made of tapered 17/7 PH stainless steel of very high flexibility. Both models are supplied with a strong stainless steel spring. Available with "S" or "SL" mount on request.

Electrical Data

SPECIFICATIONS

Type : 1/4 Base Loaded for 46.5...61.5 MHz band

: 5/8 for 135...175 MHz band

Frequency Range : SM from 47.5 to 60.5 MHz & from 140 to 175 MHz : SMA from 46.5 to 61.5 MHz & from 135 to 175 MHz

both models tunable by cutting

Impedance : 50

Radiation : Omnidirectional Polarization : Linear Vertical

Gain : 0 dB ref. to a /4 whip for 46.5...61.5 MHz band : 2 dB ref. to a /4 whip for 135...175 MHz band

Bandwidth @ SWR 1.5 : SM 2 MHz @ 47.5 MHz; 2.8 MHz @ 140 MHz

: SMA 2.5 MHz @ 46.5 MHz; 3.4 MHz @ 135 MHz

SWR @ res. freq. : 1.3 both bands, both models

Max Power : 100 Watts

Standard Mount : "S", mounting hole 19 mm, cable 5m RG 58 Alternative Mount : "SL", mounting hole 19 mm, cable 5m RG 58

Mechanical Data

Materials : SM Fiberglass, Stainless Steel, Nylon, Chromed Brass

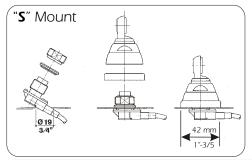
: SMA Stainless Steel 17/7 PH, Nylon, Chromed Brass

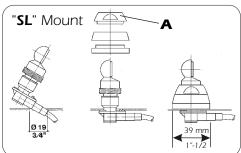
Height (approx.) : SM 1340 mm

: SMA 1505 mm

Weight (approx.) : 550 gr

MOUNT INSTALLATIONS



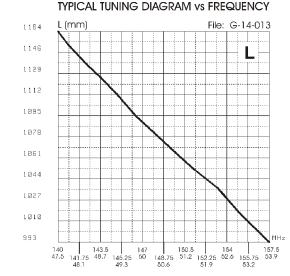


"SL" MOUNT REMARK: Be careful during installation do not use too much strenght but tighten the metal ring $\bf A$ by means of the suitable tool. **TIGHTENING TORQUE:** 4 Nm \pm 10%

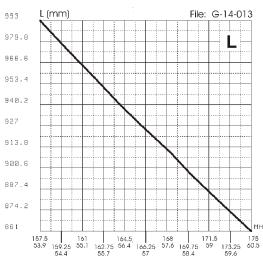
PRECAUZIONE PER BASE "SL": Porre attenzione durante l'installazione. Non serrare con troppa forza ma avvitare l'anello metallico **A** utilizzando la chiave adeguata. **COPPIA DI SERRAGGIO:** 4 Nm ± 10%

TUNING INSTRUCTIONS





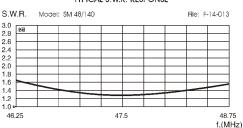
TYPICAL TUNING DIAGRAM vs FREQUENCY



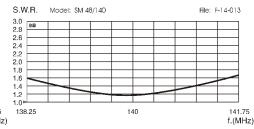
NOTE:

• Use the curves just as a guide. For finetuning please use an SWR-Meter.

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



ID226