

DESCRIPTION

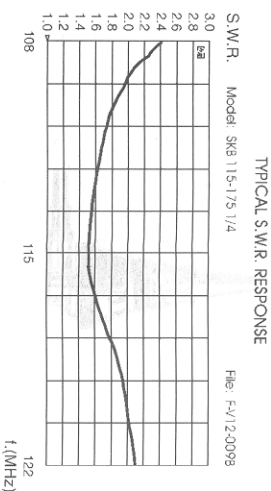
VHF 1/4 λ mobile antenna covering the frequency range of 115-175 MHz by means of the enclosed cutting diagram. Its whip is made of black chromed stainless steel and all the metallic components are of brass or steel to get the best robustness. It is supplied with "ML" (Micro Line) UHF mount for an easy hole installation but it's also suitable for a magnetic fitting.

SPECIFICATIONS

Type	1/4 λ Mobile Antenna
Frequency Range	115-175 MHz tunable by cutting
Impedance	50 Ω Unbalanced
Radiation	Omnidirectional
Polarization	Vertical
Gain	0 dB ref. to a $\lambda/4$ whip
Bandwidth at V.S.W.R. 2:1	10.7 MHz at 115 MHz
V.S.W.R. at f. res.	$\leq 1.5 : 1$
Max Power	100 Watts
Feed System / Position	Direct / Base
Standard Mount	"ML" UHF

Mechanical Data

Materials	Brass, Stainless Steel, Nylon
Height (approx.)	650 mm
Weight (approx.)	270 gr
Mounting Hole	\varnothing 14 or 18 mm



MOUNTING INSTRUCTIONS

Mounting from the outside

1.1 Drill a 18 mm hole, deburr it and protect it against corrosion. Loose part **B**, push it upwards together with part **C** and hold it tightly.

1.2 Insert the base into the mounting hole and decentralize it. Insert the plastic fish-plates **D** of part **C** into the hole. Screw on part **B** with a 20 mm open-end wrench.

The ring nut B is tightened correctly, if the upper edge of part A is at the same height as the inner thread-bolt

Mounting from the inside

2.1 Drill a 14 mm hole, deburr it and protect against corrosion. Loose part **B** and use the item **E**.

Insert from below part **F** into the hole up to the stop.

2.2 Push part **A, B** and **E** from above and screw them on with a 20 mm open-end wrench.

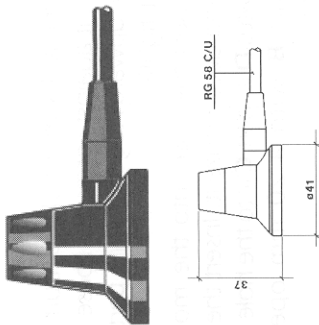
Part B is tightened correctly, if the upper edge of part A is at the same height as the inner thread-bolt.

ALTERNATIVE MOUNT TYPE

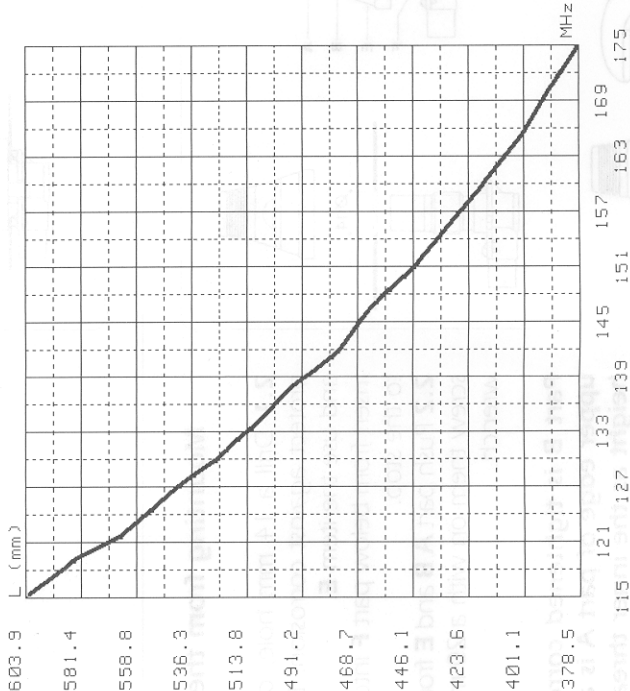
CELL MAG mount

Frequency Range: from DC to 1000 MHz
Overall Size: Ø 41 mm
Materials: Chromed Brass, Nylon, Silicon Rubber
Cable: 5 m RG 58 C/U MIL-C-17F / FME-female

Code 2510202.00 CELL MAG



TYPICAL TUNING DIAGRAM

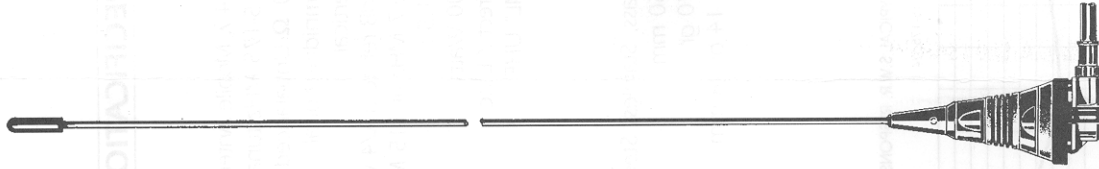


NOTE:

- L is the length of the stainless steel rod.
- It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.

Model SKB 115-175

VHF Mobile Antenna 115-175 MHz

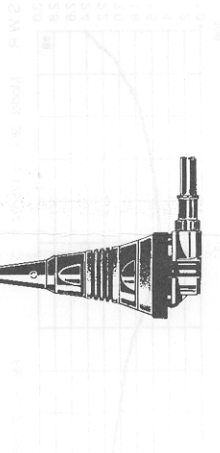


Electrical Data

Impedance
100 Ohms
SWR
1.5

Mechanical Data

Material
Aluminum
Height (mm)
330



Installation Manual