

# WIN-4 Series

## VHF (66 - 134 MHz) Mobile Whip

The WIN-4 series offers several whip to be used for the VHF band, specifically 66 - 134 MHz.

All antenna whips are made of stainless steel, black chromed to withstand the harshest conditions.

- WIN-4 -  $\lambda/4$  antenna whip
- WIN-4M -  $\lambda/4$  antenna whip with a conical spring
- WIN-4R -  $\lambda/4$  antenna whip with adjustable tilt
- WIN-4RM -  $\lambda/4$  antenna whip with adjustable tilt and conical spring

## ELECTRICAL SPECIFICATIONS

Type	Whip antenna ( $\lambda/4$ )
Frequency	66 - 134 MHz
Bandwidth	3% of f.res (VSWR $\leq$ 1.5:1)
VSWR	$\leq$ 1.3:1 @ f.res
Impedance	50 Ohm
Polarisation	Vertical
Gain	0 dBd, 2.15 dBi
Max. Input Power	50 W

## MECHANICAL SPECIFICATIONS

Color	Black
Length	WIN-4: 1320 mm WIN-4M/R: 1380 mm WIN-4RM: 1440 mm
Weight	Approx. 115 g
Mounting	On BA-IN base
Mounting Place	Vehicle roof (Metalic surface)
Mounting Instructions	Antenna Whip must be cut to specified frequency.
Materials	Chromed brass and stainless steel
Operating Temperature	-40 to +70°C
Connector	M10 Thread

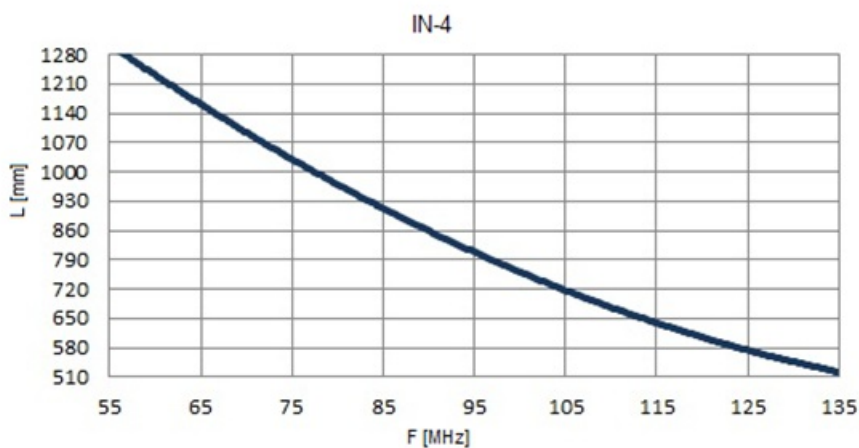


ORDERING INFORMATION

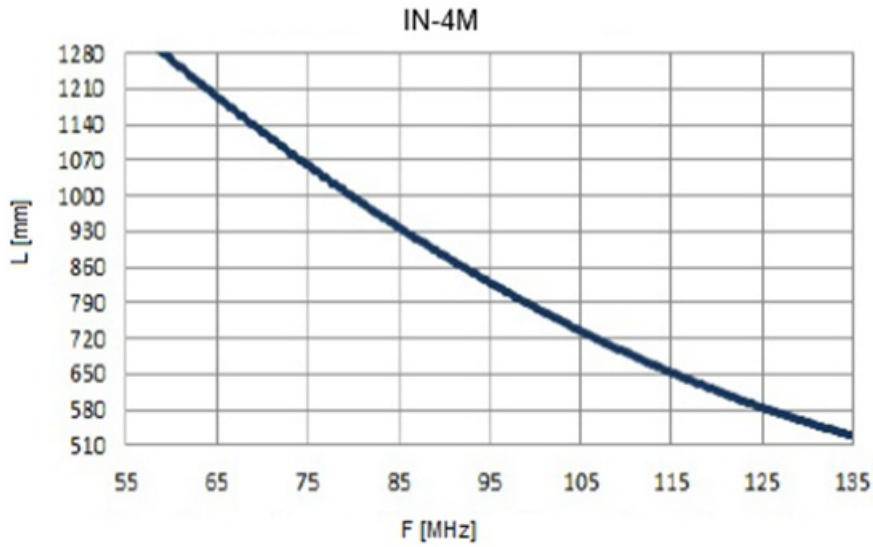
WIN-4	$\lambda/4$ Whip
WIN-4M	$\lambda/4$ whip with a conical spring
WIN-4R	$\lambda/4$ whip with adjustable tilt
WIN-4RM	$\lambda/4$ whip with adjustable tilt and conical spring

PACKAGING INFORMATION

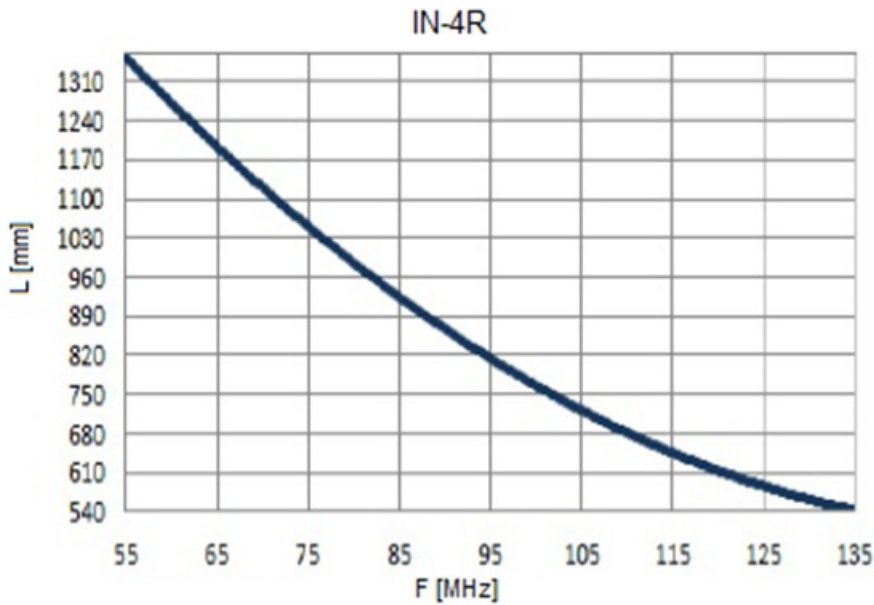
Type	In Bag
------	--------



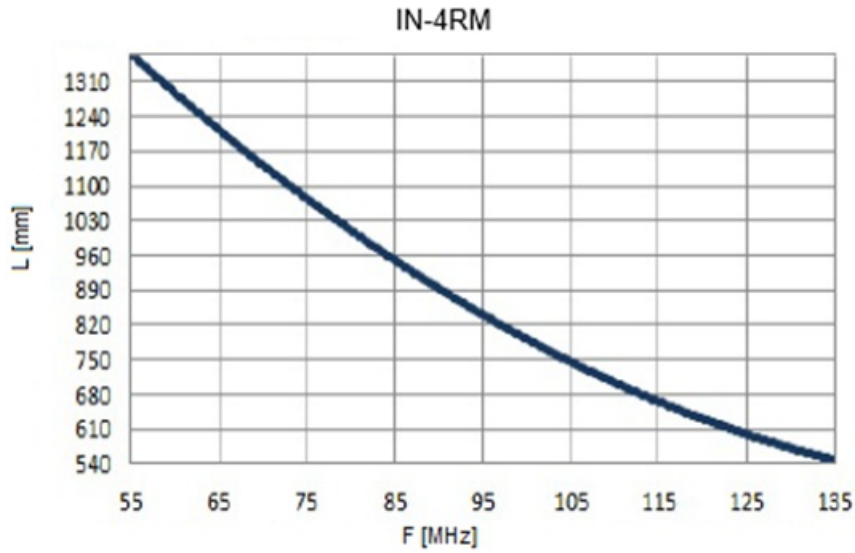
Measured on a  $\varnothing$  500 mm ground plane



Measured on a Ø 500 mm ground plane



Measured on a Ø 500 mm ground plane



Measured on a Ø 500 mm ground plane