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# **IN-70G Series**

UHF (375 - 512 MHz) 3 dBd Mobile Whip Antenna and Base Kit

The IN-70G series offers several high gain whip and base combinations to be used for the UHF band, specifically 375 - 512 MHz.

With a meticulously constructed base made of ABS and black chromed brass, it is durable and strong.

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

- IN-70G Base and 51/8 whip
- IN-70GM Base and 5 \v/8 whip with a conical spring
- IN-70GR Base and 5№8 whip with adjustable tilt
- IN-70GRM Base and 51/8 whip with adjustable tilt and conical spring

#### ELECTRICAL SPECIFICATIONS

Туре	Whip antenna (5 $\lambda$ 8) and Base Kit
Frequency	375 - 512 MHz
Bandwidth	3% of f.res (VSWR ≤ 1.5:1)
VSWR	≤ 1.3:1 @ f.res
Impedance	50 Ohm
Polarisation	Vertical
Gain	3 dBd, 5.15 dBi
Max. Input Power	50 W



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#### MECHANICAL SPECIFICATIONS

Color	Black chrome
Length	IN-70G: 68 cm IN-70GM: 73 cm IN-70GR: 73 cm IN-70GRM: 73 cm
Weight	300 g
Mounting Place	Vehicle roof (Metalic surface)
Mounting Hole	Ø 11.0 mm
Mounting Instructions	Antenna Whip must be cut to specified frequency. See cutting diagram.
Build-in Depth	Approx. 12 mm
Materials	ABS, chromed brass, chromed stainless steel and rubber
Operating Temperature	-40 to +70°C
Connector	Antenna Whip: M10 Base: See "ORDERING INFO" (other types available)
Cable	See "ORDERING INFO"
Ingress Protection	IP65 (When mounted)





#### ORDERING INFORMATION

IN-70G	WIN-70G + BA-IN (5.0 m RG-58 + Open End)
IN-70GM	WIN-70GM + BA-IN (5.0 m RG-58 + Open End)
IN-70GR	WIN-70GR + BA-IN (5.0 m RG-58 + Open End)
IN-70GRM	WIN-70GRM + BA-IN (5.0 m RG-58 + Open End)

#### PACKAGING INFORMATION

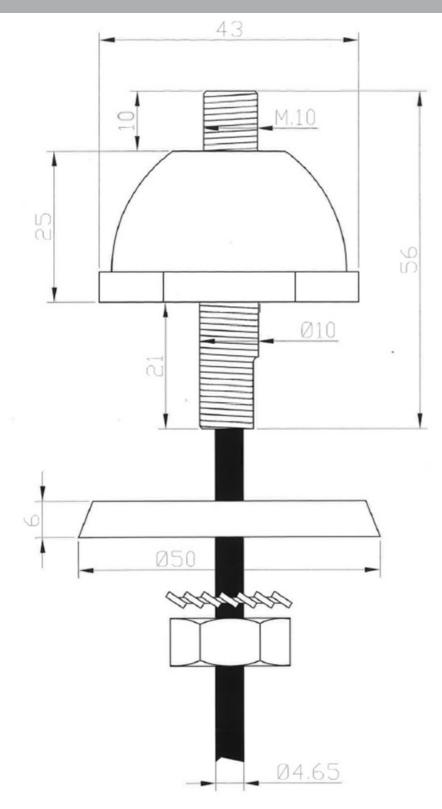
Туре

Bag

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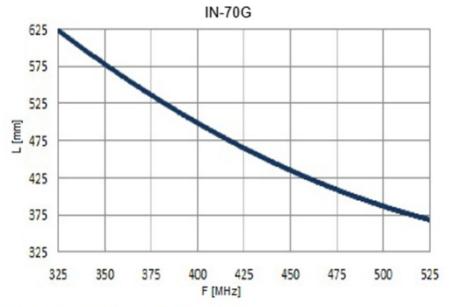


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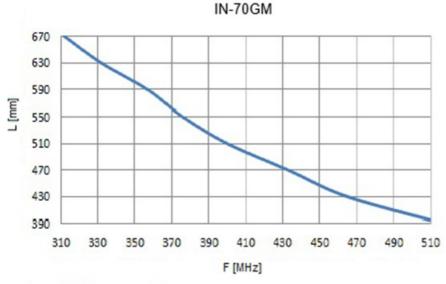
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Measured on a Ø 500 mm ground plane

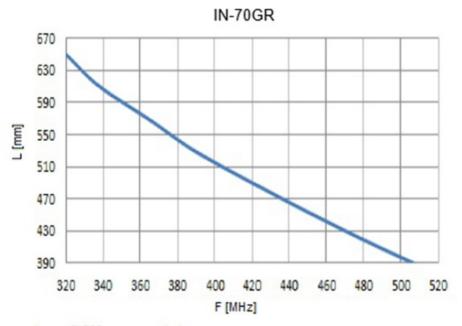


Measured on a Ø 500 mm ground plane

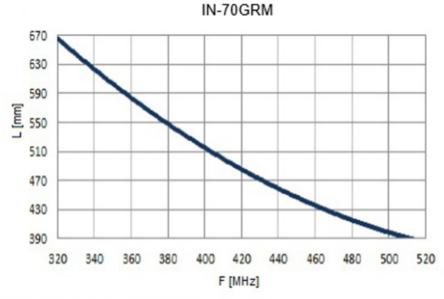
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Measured on a Ø 500 mm ground plane



Measured on a Ø 500 mm ground plane

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