

## IN-70 Series

### UHF (375 - 512 MHz) 0 dBd Mobile Whip Antenna and Base Kit

The IN-70 series offers two 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-70 - Base and  $\lambda/4$  whip
- IN-70R - Base and  $\lambda/4$  whip with a adjustable tilt

### ELECTRICAL SPECIFICATIONS

|                  |   |
|------------------|---|
| Type             | Whip antenna ( $\lambda/4$ ) and Base Kit |
| Frequency        | 375 - 512 MHz                             |
| Bandwidth        | 5% 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                                      |



## Datasheet

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## MECHANICAL SPECIFICATIONS

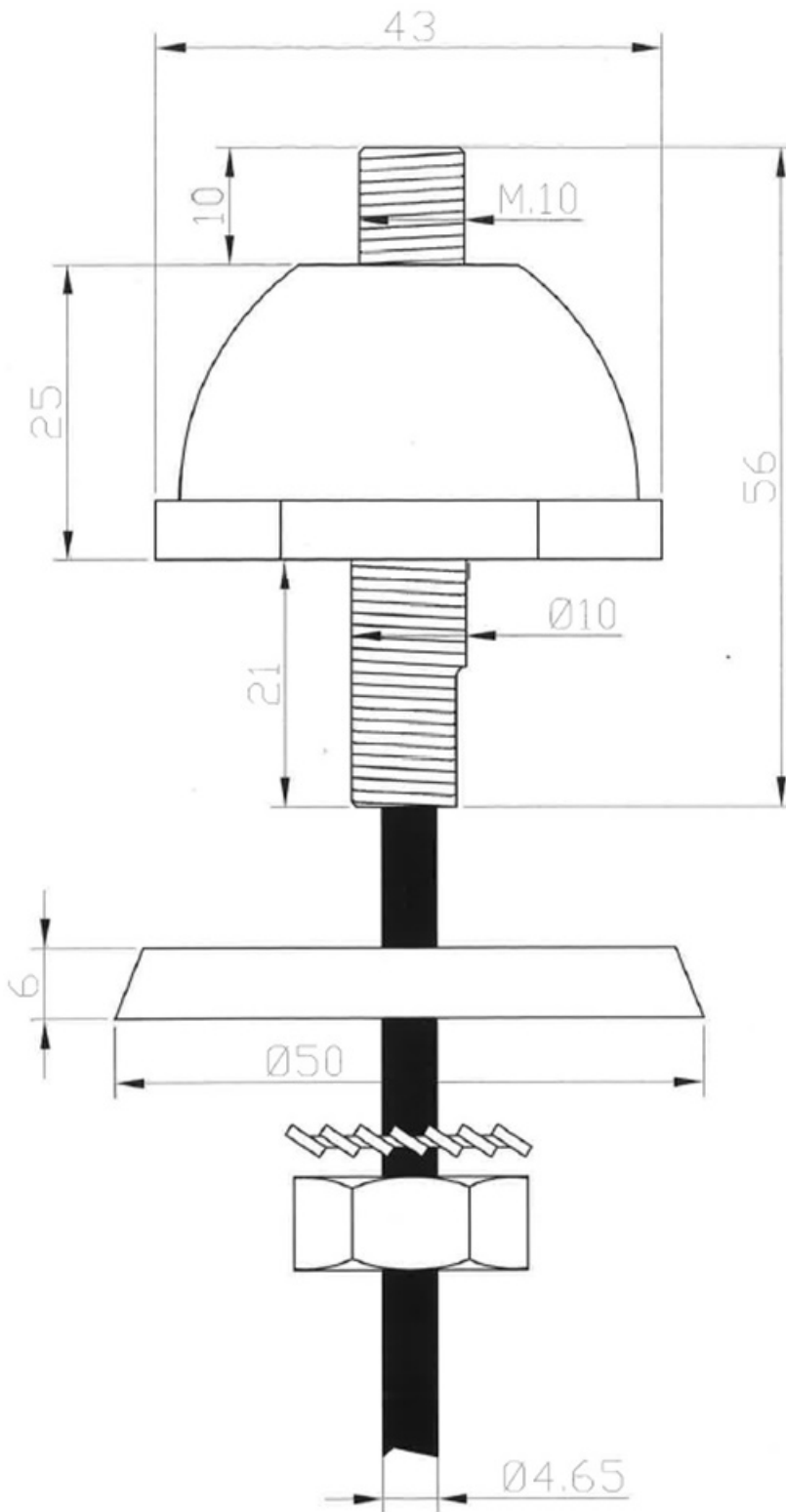
|                       |  |
|-----------------------|--|
| Color                 | Black chrome   |
| Length                | IN-70: 230 mm<br>IN-70R: 180 mm  |
| Weight                | Approx. 300 g  |
| Mounting Place        | Vehicle roof (Metalic surface)   |
| Mounting Hole         | Ø 11.0 mm  |
| 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<br>Base: See "ORDERING INFO" (other types available) |
| Cable                 | See "ORDERING INFO"  |
| Ingress Protection    | IP65 (When mounted)  |

## ORDERING INFORMATION

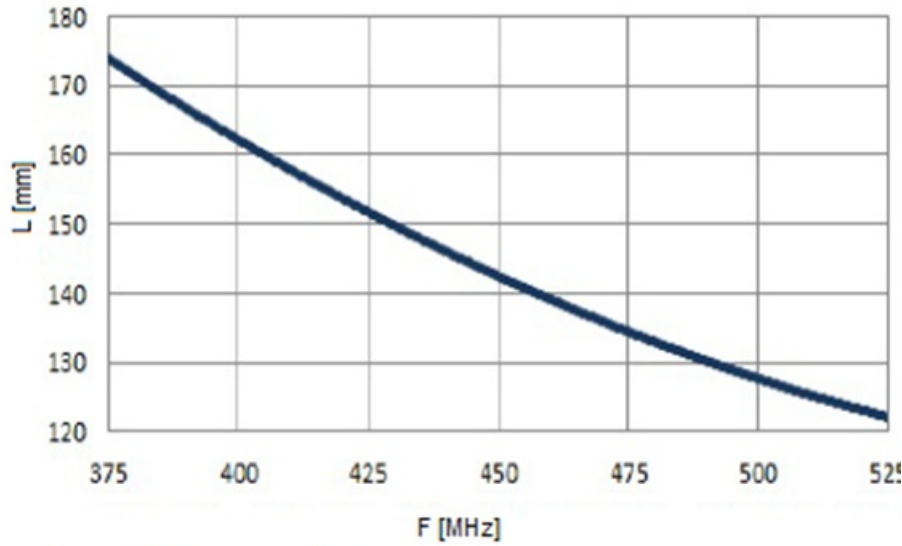
|        |  |
|--------|--|
| IN-70  | WIN-70 + BA-IN (5.0 m RG-58 + Open End)  |
| IN-70R | WIN-70R + BA-IN (5.0 m RG-58 + Open End) |

## PACKAGING INFORMATION

|      |     |
|------|-----|
| Type | Bag |
|------|-----|

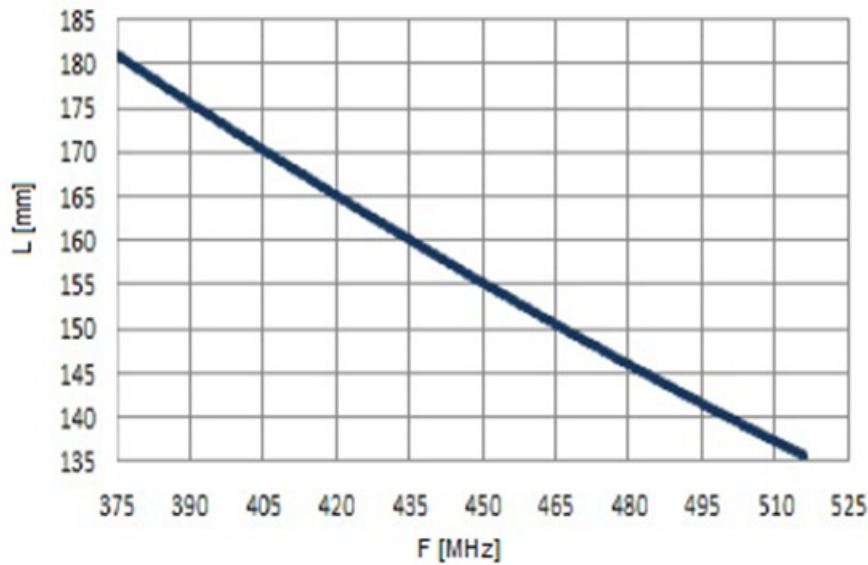


IN-70



Measured on a Ø 500 mm ground plane

IN-70R



Measured on a Ø 500 mm ground plane