



M-Prince Tag

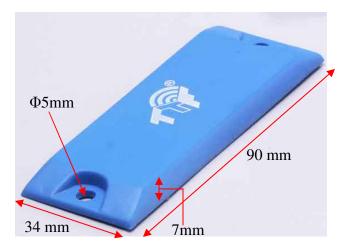
FEATURES

- Operates effectively with a very good read range, especially when attached to metal.
- Rugged construction for high durability
- Can be attached by screws with the help of two holes.
- Can also be provided with Adhesive tape for easy attachment.
- Flexible Read/Write Range (reader dependant).

APPLICATIONS

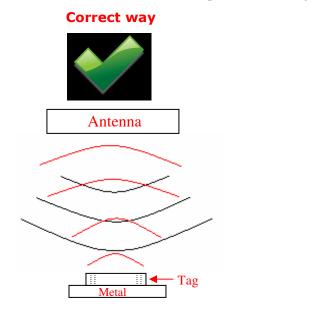
- Used in asset tracking applications such as Equipment, Parts, Containers, railway and warehousing solutions.
- Factory automation, Automotive & Security purpose.

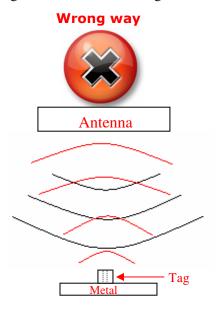
| Chip Type: | Impinj Monza 4QT EPC Class 1 Gen 2 | |
|---------------------|--|--|
| | EPC 96 bit extendable up to 128 bits | |
| | User Memory 512 bit | |
| | Data retention of 50 years | |
| | Write endurance 100.000 cycles | |
| | | |
| Mechanical: | Dimension | 90 x 34 x 7mm |
| | Material | ABS |
| | Colour | Blue |
| | Weight | 19.3 g |
| | | |
| Electrical: | Operating Frequency | 865-868MHz, (902-928MHz also available on request) |
| | Operating mode | Passive (battery-less transponder) |
| | | |
| Ingress Protection: | IP68 | |
| | | |
| Thermal: | Storage Temp. | -20°C to +85°C |
| | Operating Temp. | -20°C to +85°C |
| | | |
| Part Number: | 316V4 | |
| Options: | Available with: | |
| | Other IC type and Frequency on request e.g. Monza 4D, Monza 4E | |
| | Other plastic material and colours | |
| | Adhesive backing for easy mounting (indoor application) | |
| | Available for non-metallic application | |



Tag Placement

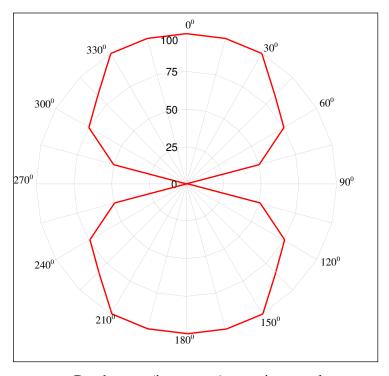
- ♣ M-Prince is polarized perpendicular to TTF logo.
- ♣ Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- ♣ Ensure that there is no hindrance between the tag and the reader antenna.
- ♣ Reader antenna should be parallel to the tag length as shown in below figure:

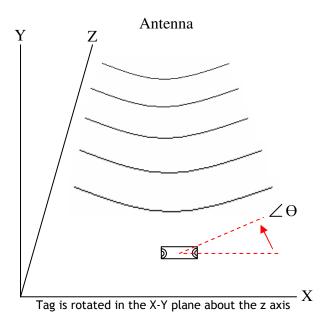




- ♣ Tag can be attached either through screw M5/ Rivets / Adhesive tape.
- ♣ The distance between the hole to hole is 80mm

M-Prince Tag Angular Sensitivity (Relative Read Range vs. Orientation)





Read range (in percent) at various angle.