



## Bend-it Tag (Global)

### FEATURES

- Bend-it tag is a frequency independent flexible tag and operates effectively with read range of over 10m when attached to plastic, wood etc even over curved surface.
- 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

- Due to global frequency tuning and high read range, it can be used in other asset tracking applications throughout the world irrespective of frequency used in country.
- Most suitable for direct application on corrugated box, curved parts made up of plastic and wood.
- Factory automation, Automotive & Security purpose.

|                            |  |                                    |
|----------------------------|--|------------------------------------|
| <b>Chip Type:</b>          | <b>Alien Higgs 3 EPC Class 1 Gen 2</b> |                                    |
|                            | EPC 96 bit extendable up to 480 bits   |                                    |
|                            | User Memory 512 bit                    |                                    |
|                            | Data retention of 50 years             |                                    |
|                            | Write endurance 100.000 cycles         |                                    |
| <b>Mechanical:</b>         | Dimension                              | 125.5 x 30 x 3 mm                  |
|                            | Material                               | TPU                                |
|                            | Colour                                 | Black                              |
|                            | Weight                                 | 13.30 g                            |
| <b>Electrical:</b>         | Operating Frequency                    | 860 - 960 MHz                      |
|                            | Operating mode                         | Passive (battery-less transponder) |
| <b>Ingress Protection:</b> | IP68                                   |                                    |
| <b>Thermal:</b>            | Storage Temp.                          | -25°C to +85°C                     |
|                            | Operating Temp.                        | -25°C to +85°C                     |
| <b>Part Number:</b>        | 338V2                                  |                                    |
| <b>Options:</b>            | Available with:                        |                                    |
|                            | Other IC type on request               |                                    |
|                            | Adhesive backing for easy mounting     |                                    |



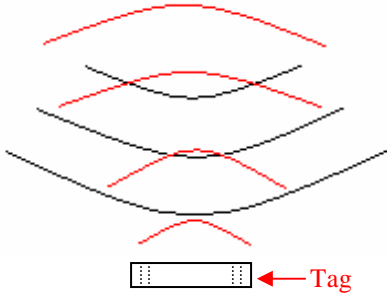
Tag Placement

- ✚ Bend-it tag is polarized parallel to line joining the two holes.
- ✚ 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:

Correct way



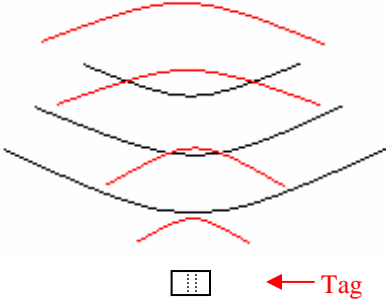
Antenna



Wrong way



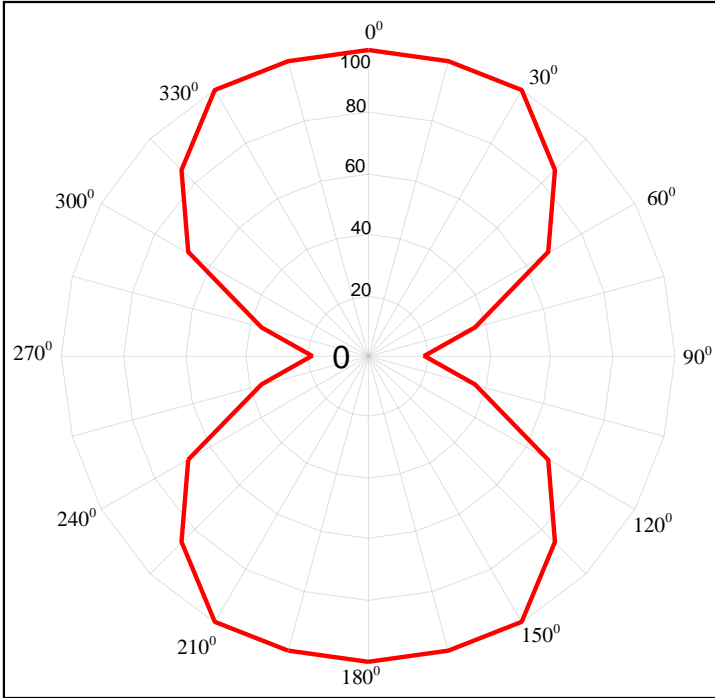
Antenna



- ✚ Tag can be attached either through screw M4 / Rivets / Adhesive tape.
- ✚ Tag is Flexible (as shown in figure) and can be easily attached over curved surface.



### Bend-it Tag Angular Sensitivity (Relative Read Range vs. Orientation)



Read range (in percent) at various angle.

