![The Tag Factory - MANUFACTURER OF RFID TAGS]

Pallet Tag

FEATURES

- Operates effectively with a very good read range, especially when attached to plastic, wooden pallets.
- 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 pallet and other asset tracking applications. Most suitable for direct application on corrugated box, parts made up of plastic and wood.
- Factory automation, Automotive & Security purpose.

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Chip Type:	**Alien Higgs 3 EPC Class 1 Gen 2**	
	EPC 96 bit extendable up to 480 bits	
	User Memory 512 bit	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	120 x 17 x 4.5 mm
	Material	PC
	Colour	White
	Weight	8 gm.
Electrical:	Operating Frequency	860 – 960 MHz
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	Storage Temp.	-40°C to +70°C
	Operating Temp.	-25°C to +70°C
	Transport Conditions	-40°C to +70°C
Part Number:	320V1	
Options:	Available with:	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS, ABS	
	Adhesive backing for easy mounting (indoor application)	

120 mm

17 mm

Φ(5,3)mm

4.5 mm
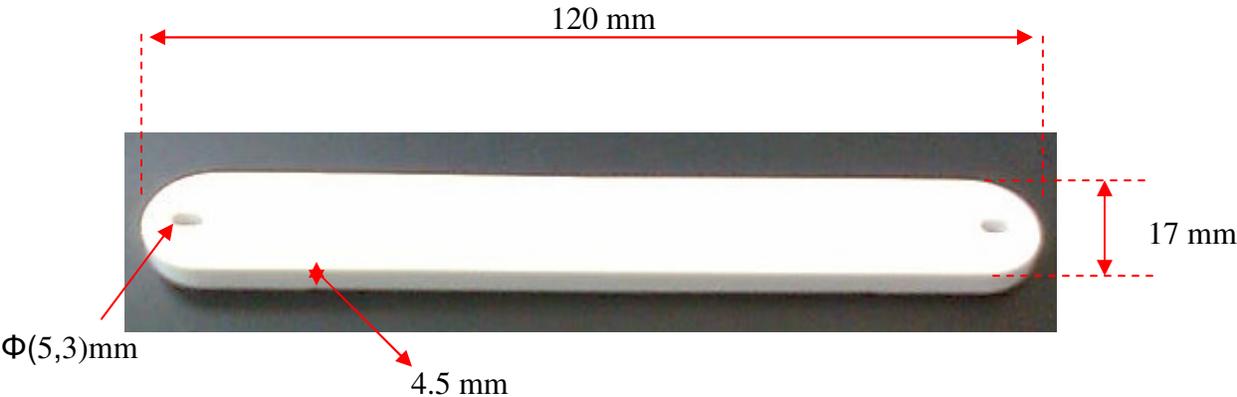
Tag Placement

- 120mm pallet 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

Tag
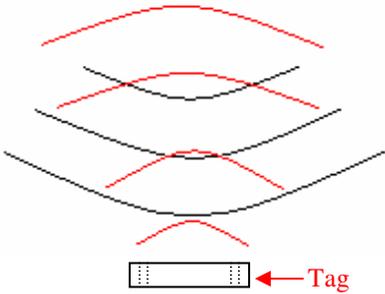
Wrong way

Antenna

Tag
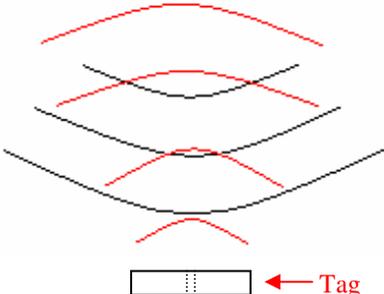
- Tag can be attached either through screw M3 / Rivets / Adhesive tape.
- The distance between hole to hole is 108 mm.
- Attachment through adhesive should be used only for indoor application
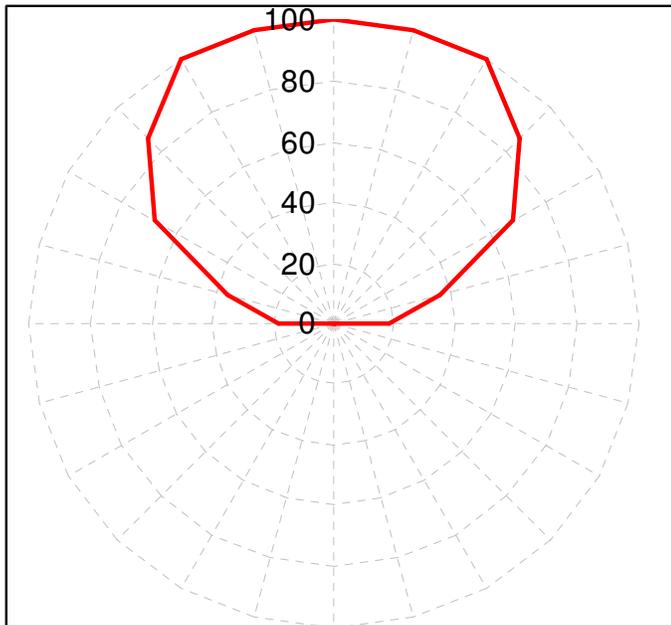
Estimated Radiation pattern of tag when placed along its axis.

Read range (in percent) at various angle.