

Data Sheet



Lock-it Tag

FEATURES

- Lock-it tag operates effectively with a good read range, especially when attached to Roll cages.
- Provided with seal wire for easy attachment.
- Flexible Read/Write Range (reader dependant).

APPLICATIONS

- Inventory management and loss prevention of roll cages and tote bins used in warehouses and logistics.
- Factory automation, Automotive & Security purpose.

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 50 years	
	Write endurance 100,000 cycles	
Mechanical:	Dimension	44.5 x 36.0 x 13.8 mm
	Material	ABS
	Colour	Orange
	Weight	19.2g
Electrical:	Operating Frequency	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	Storage Temp.	-40°C to +85°C
	Operating Temp.	-40°C to +85°C
Part Number:	31DV1	
Options:	Available with:	
	Other frequency on request.	
	Other plastic material and colours	

Note : To get best performance it is strictly recommended to use circular polarized antenna.

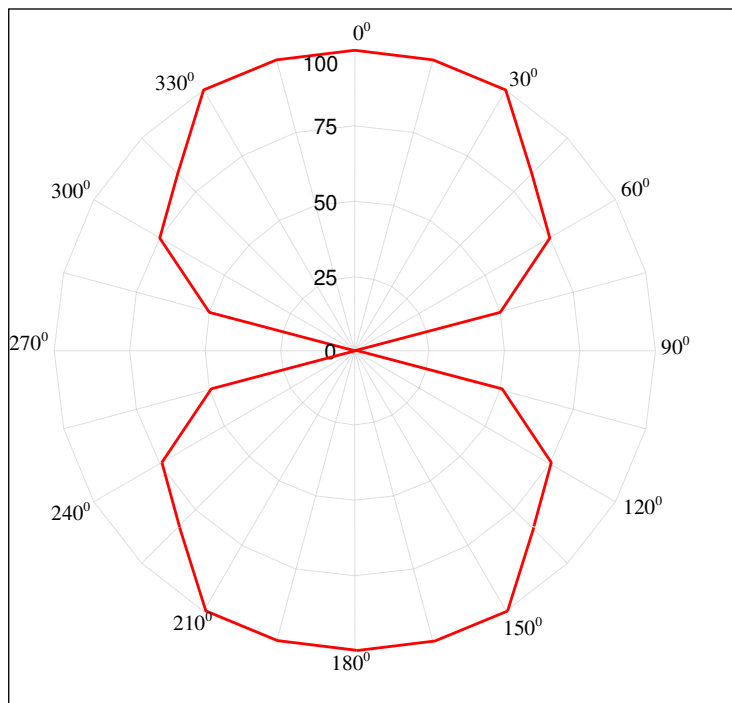
Dimension



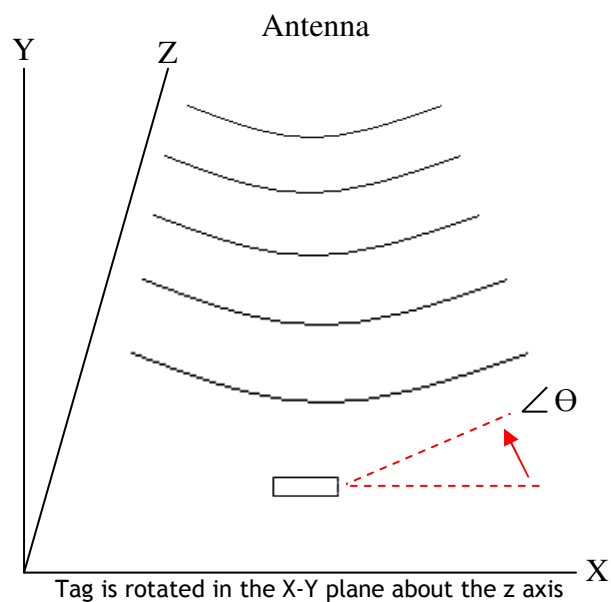
Tag Placement



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



Read range (in percent) at various angle.



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