



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 9, GS1 Class 1 Gen 2	
	EPC Memory: Up to 496-EPC Bits (nominally 96 bits)	
	User Memory: Up to 688 Bits	
	Data Retention: 50 Years	
	Write Endurance: 200,000 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.	-25°C to +85°C
	Operating Temp.	-25°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



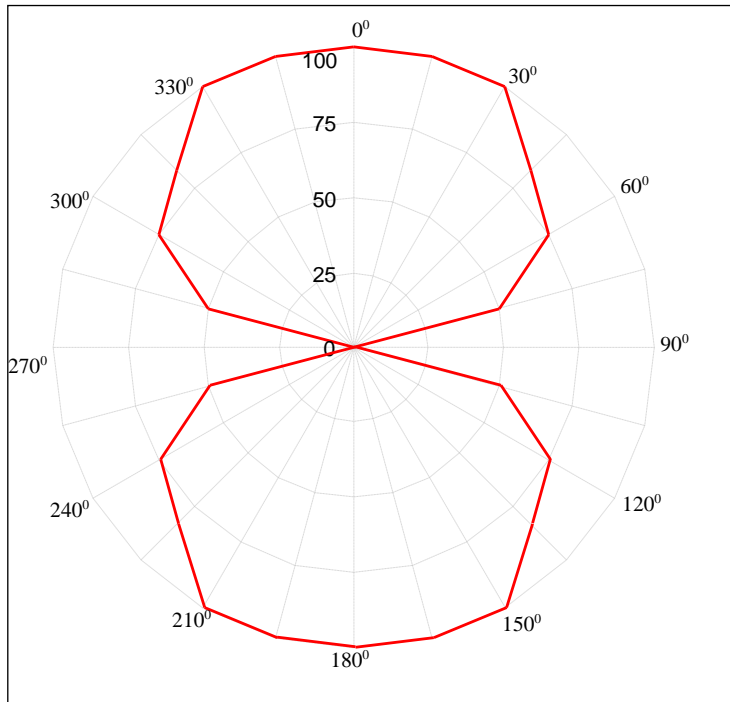
Note: Tolerance applicable are **Length:** $\pm 1\text{mm}$, **Width:** $\pm 0.5\text{mm}$ and **Thickness:** $\pm 0.3\text{mm}$

Tag Placement



Lock-it Tag Angular Sensitivity

(Relative Read Range vs. Orientation)



Read range (in percent) at various angle.

