

# DATASHEET

## UHF Waste bin Tag

Tag Code: U2421310

Waste bin Tag is developed with a rugged plastic housing to protect it from rain, dirt and other environmental conditions. This makes it ideal for waste management solutions. It is available with different chips and memory size.



### Electrical Specification

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	860 – 960 MHz
Chip**	Alien Higgs-3
Memory Configuration	EPC–96 bits, extendible to 480bits
	TID – 96 bits unalterable unique
	User memory – 512 bits
	Access password – 32 bits
	Kill password – 32 bits
Data retention	50 years
Write endurance	100,000 cycles
Read Range*	Off metal – Up to 2.5 m

### Physical / Mechanical Specification

Dimensions	30 x 15.2 ± 0.2 mm
Colour**	Black
Weight	9.2 g
Encasement	Nylon
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Ingress protection rating	IP68
Attachment***	Self threaded
Applicable surface	Plastic / Wooden

## Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours
Resistant to continuous exposure to motor oil for 2 hours
Additionally, abrasion resistant against HCL and IPA

## Additional Services

Pre-encoding	On request
Customization***	Logo / text printing on request

\* Actual Read range may vary depending upon the reader and environmental factor

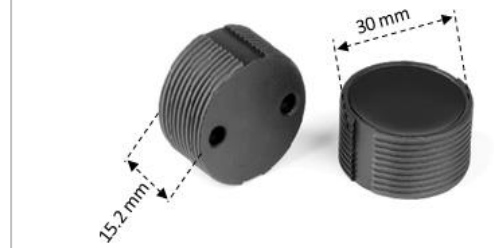
\*\* Other on request

\*\*\* Available as an option at extra cost

## Order Information

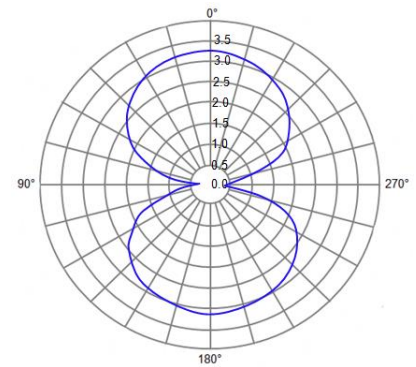
Part No.	Description
U2421310	Alien higgs-3 chip tuned at ETSI frequency
U2421312	Alien higgs-4 chip tuned at ETSI frequency

## Dimensions



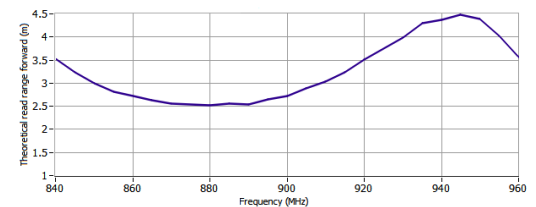
## Radiation Pattern Graph

(Orientation v/s Read Range)



## Linear Frequency Graph

(Frequency v/s Read Range)



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