



Manufacturer of RFID tags

# DATASHEET

## PET Laminated Tag

Tag Code: U288XX10

PET Laminated Tag is a UHF Gen2 long range, passive tag. It is suitable for tracking items/assets in an indoor environment. PET Tag is ideally used for non-metallic assets tracking as well as for pallet tracking. It is available in multiple sizes and with different read ranges.



### 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
Writ endurance	100,000 cycles

### Physical / Mechanical Specification

Dimensions	112 x 30 mm	115 x 22 mm	65 x 22 mm	85 x 22 mm
Antenna used	O9654	O9640	O9610	O9630
Read Range	10 – 12 m	9 – 11 m	5 – 7 m	8 – 10 m
Weight	2.2 g	1.8 g	1.2 g	1.5 g
Tag Code	U2882710	U2881510	U2880510	U2883410
Thickness	0.7 mm			
Encasement	PET			
Quality Assurance	100% reader tested			

## Environmental Resistance

Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Ingress protection rating	IP67
Attachment***	Self Adhesive
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

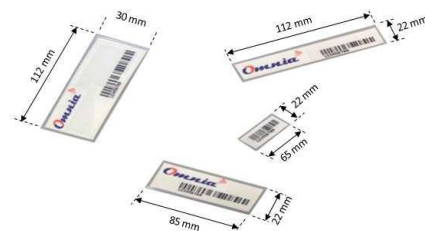
\*\* Other on request

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

## Order Information

Part No.	Description
U288XX10	With Alien higgs-3 chip tuned at Global frequency
U288XX12	With Alien higgs-4 chip tuned at Global frequency

## Dimensions



## Radiation Pattern Graph

(Orientation v/s Read Range)

To be updated

## Linear Frequency Graph

(Frequency v/s Read Range)

To be updated

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