

DATASHEET

UHF Wristband Tag

Tag Code: U38A3010

Wristband tag is used for access control at events, in amusement parks and recreational areas for automated admissions, guest identification, cashless transaction at point of sale and keyless entry. This tag appears similar to a watch and is reusable.



Electrical Specification

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865 – 868 MHz or 902 – 928 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
Read Range*	On Wrist – Up to 2 m Off metal – Up to 2 m

Physical / Mechanical Specification

Dimensions	255 x 36.5 x 13 ± 0.2 mm
Colour**	Black & Blue
Weight	13 g
Encasement	ABS / EVA
Quality Assurance	100% reader tested

Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP67
Attachment	Human Wrist
Applicable surface	Plastic

Dimensions

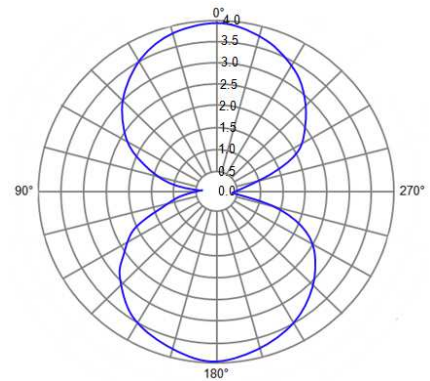


Chemical Resistance

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

Radiation Pattern Graph

(Orientation v/s Read Range)

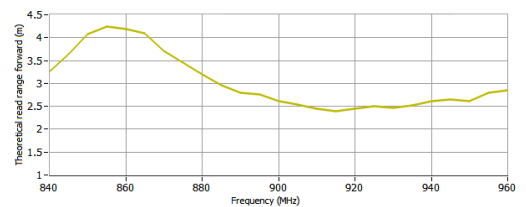


Additional Services

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

Linear Frequency Graph

(Frequency v/s Read Range)



* 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
U38A3010-EU	Alien higgs-3 chip tuned at ETSI frequency
U38A3010-US	Alien higgs-3 chip tuned at US frequency
U38A3012-EU	Alien higgs-4 chip tuned at ETSI frequency
U38A3012-EU	Alien higgs-4 chip tuned at US frequency

Omnia Technologies Pvt. Ltd.

Corporate Office
 691, Udyog Vihar Phase V, Gurugram, Haryana-122016, India, +91(124) 4203899, 4101506

Manufacturing Unit
 Plot No. 68, Sector-5, IMT Manesar, Gurugram, Haryana - 122050, INDIA | +91(124) 4366174, 4366411, +91 (124) 4366410 (Fax)