Manufacturer of RFID tags

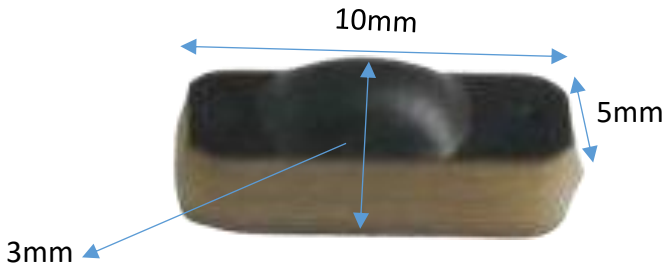
UHF PCB Tag

Product Code: UPCB1005

PCB Tag is ideal for mounting on metal applications, tool tracking, IT Assets tracking, etc. It is available in different chips & memory sizes.



Tag Dimensions



Electrical Specifications

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865 – 868 MHz or 902 – 928 MHz
Chip**	Alien Higgs-9
Memory Configuration	Up to 496-EPC Bits (nominally 96 bits)
	48 Bit Unique TID
	Up to 688 User Bits
	Access password – 32 bits
	Kill password – 32 bits
Read Range*	Up to 20.0 cm on Fixed Reader with Linear Antenna
Operating temperature	-40°C to +100°C
Storage temperature	-40°C to +150°C
Ingress protection rating	IP68
Attachment***	Adhesive
Applicable surface	Metal

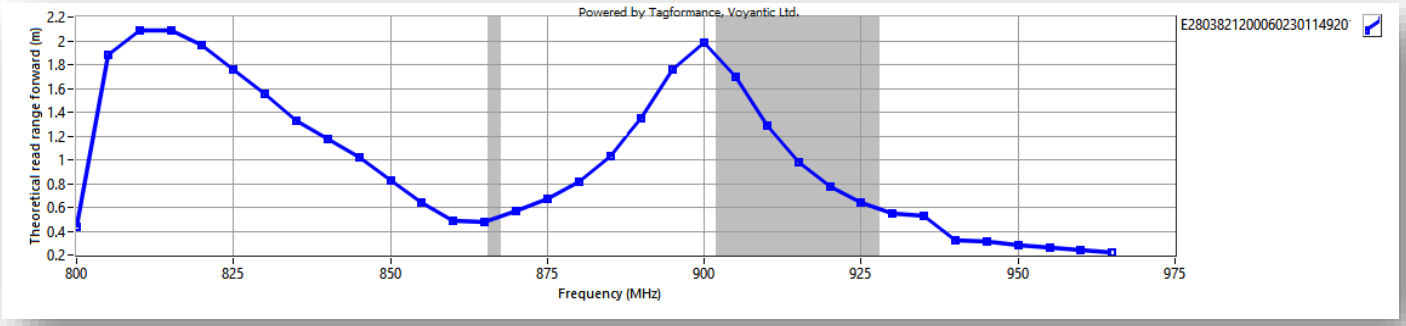
Physical and Mechanical Specification

Dimensions	10 x 5 x 3 ± 0.3 mm
Weight	0.2 g
Encasement	PCB (FR4)
Quality Assurance	100% reader tested

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

Linear Frequency Graph



Additional Services

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

Order Information

UPCB1005-EU	Alien Higgs 9 chip tuned at ETSI frequency
UPCB1005-US	Alien Higgs 9 chip tuned at US/FCC frequency

*	Actual read range may vary depending upon the reader
**	Other on request
***	Available as an option at extra cost

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Omnia Technologies reserves the right to change/update any information provided above without prior notice