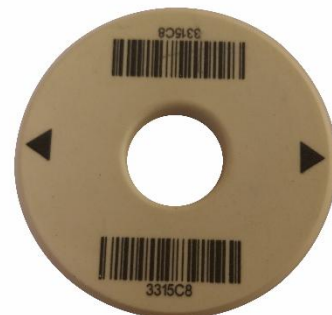


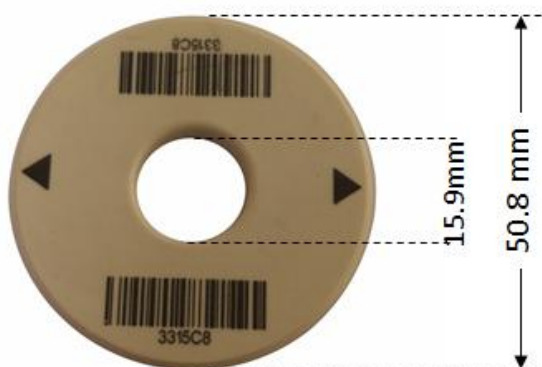
UHF Circle Tag with Hole

Product Code: U7832930

Circle Tag is a customized designed, rugged constructed product for inventory & tracking for cylinder manufacturing process.



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*	On metal – Up to 3m Fixed reader with linear antenna
Operating temperature	-40°C to +150°C 180°C for 30 min
Storage temperature	-40°C to +80°C
Ingress protection rating	IP68
Attachment***	Nut bolt at centre hole
Applicable surface	Metal

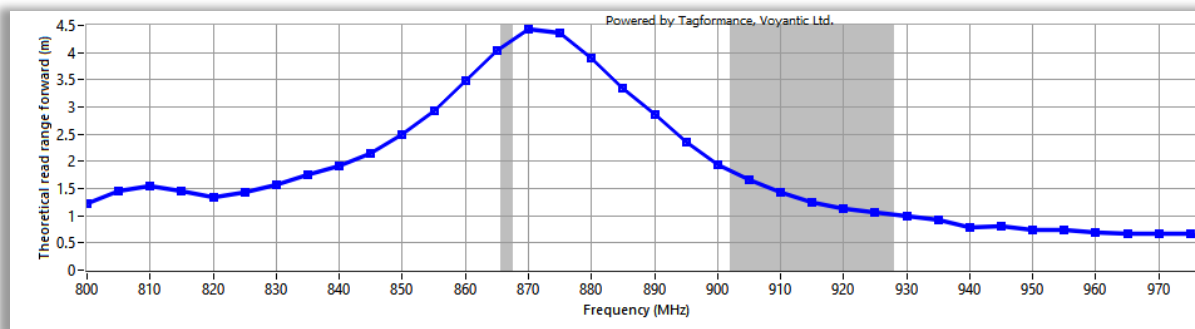
Physical and Mechanical Specification

Dimensions (OD)	50.6 ± 0.3 mm
Hole Diameter (ID)	Ø 15.9 ± 0.3 mm
Colour**	White
Thickness Weight	6 ± 0.2 mm 17 ± 0.5 g
Encasement	PPS/High temperature plastic
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

U7832930-EU	Alien higgs-9 chip tuned at ETSI frequency
U7832930-US	Alien higgs-9 chip tuned at US frequency

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

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