

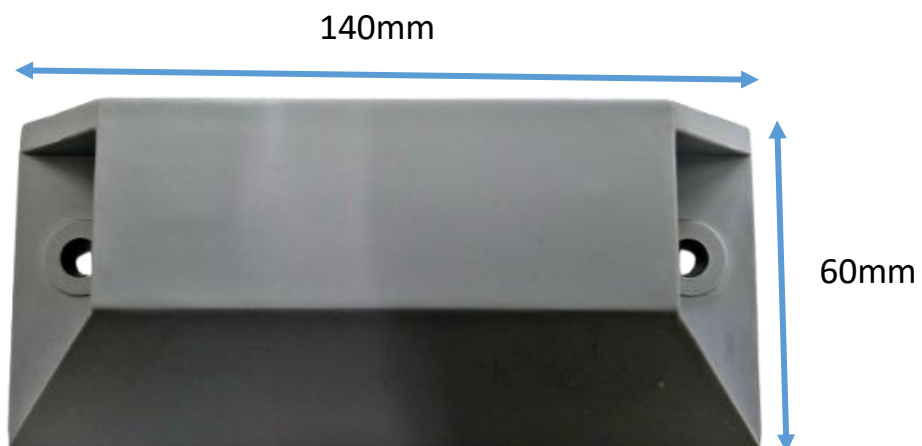
UHF – Railcar Tag

Product Code: U9A13227

The Railcar Tag is a durable UHF Gen2 passive RFID tag with a rugged design for harsh environments and metallic surfaces. Featuring the UCODE DNA IC, it offers secure, long-range performance for Indian Railways and Smart City applications like asset tracking, vehicle identification, access control, and supply chain management.



Tag Dimensions



Electrical Specifications

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865 - 868 MHz
Chip**	NXP UCODE DNA
Memory Configuration	EPC - 224 bits
	TID - 96 bits TID factory locked
	User memory - 3K bits (3072 bits)
	Access password - 32 bits
	Kill password - 32 bits
Read Range*	On metal - Up to 16 m on Fixed Reader
Operating temperature	-40°C to 120°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP67
Attachment***	With screw/Rivets & Adhesive
Applicable surface	On-Metal

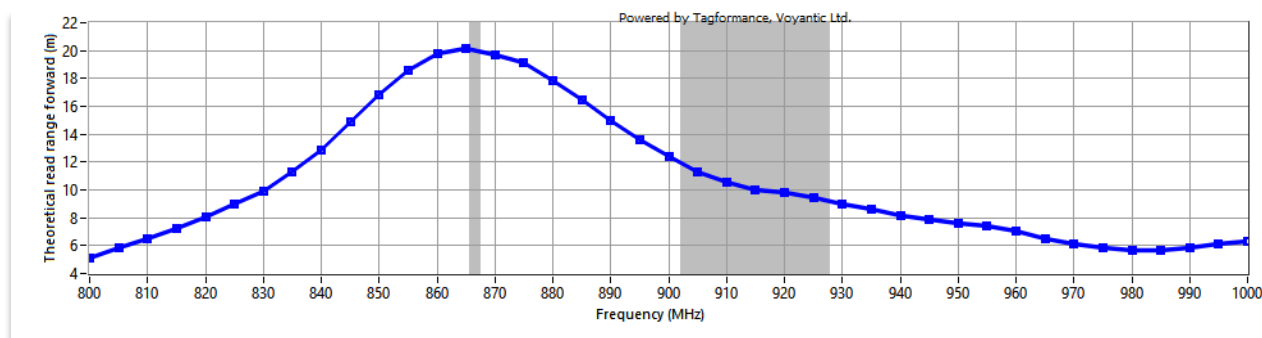
Physical and Mechanical Specification

Dimensions	140 x 60 x 35 mm
Hole diameter Hole to Hole Diameter	6.8 ± 0.2 mm 114 ± 0.4 mm
Weight	95 g
Encasement	ABS
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

U9A13227	UCODE DNA chip tuned at ETSI frequency
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- * Actual read range may vary depending upon the reader
- ** Other on request
- *** Available as an option at extra cost

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