

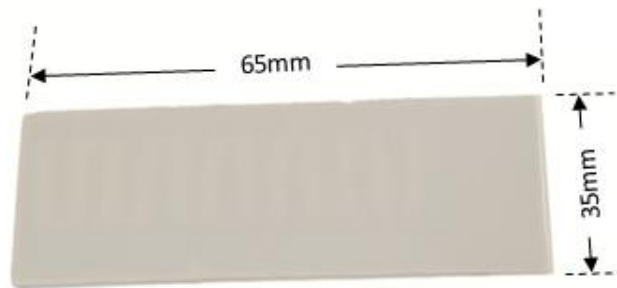
## UHF Neptune Label (on Metal) - 65 x 35 mm

**Product Code: U6530820**

The UHF Neptune Tag is a versatile label tag designed for seamless application onto metallic assets, facilitated by its self-adhesive backing. This tag is well-suited for use on irregular and uneven surfaces, including steel boilers, metal containers, and steel pipes. It delivers reliable performance when affixed to metal and supports customization through thermal printers, allowing for the printing of logos, numbers, and text as needed.



### Tag Dimensions



## **Electrical Specifications**

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865-868 or 902-928 MHz
Chip**	Imping Monza R6-P
Memory Configuration	EPC–128 bit
	TID – 96 bits unique unalterable
	User memory – 32 bits
	Access password – 32 bits
	Kill password – 32 bits
Data Retention	50 Years
Writ endurance	100,000 cycles
Read Range*	Up to 3 meters with the fixed reader with linear antenna
Operating temperature	-40°C to +80°C
Storage temperature	0°C to +40°C
Attachment***	Self-Adhesive
Ingress protection rating	IP 54
Applicable surface	on-Metal

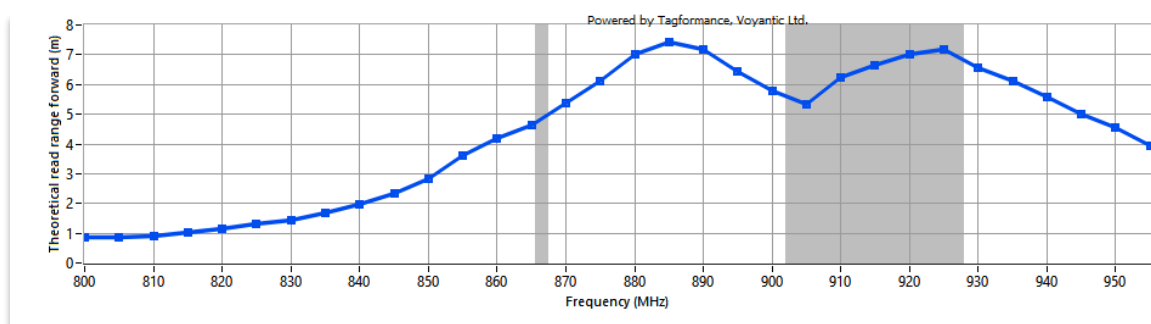
## **Physical and Mechanical Specification**

Dimensions	65 x 35 ± 0.2 mm
Thickness   Weight	1.25mm   1.1 g
No. of labels per reel	500 pcs / reel
Available Face material	Polyester
Quality Assurance	100% reader tested

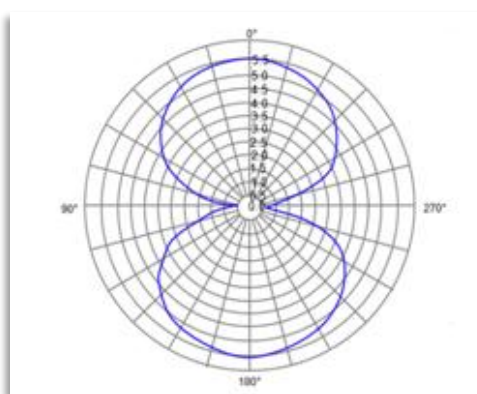
## **Chemical Resistance**

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



## Orientation Sensitivity



## Additional Services

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

## Order Information

U6530820-EU	With R6-P chip tuned at ETSI frequency
U6530820-US	With R6-P 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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