

PRODUCT DATASHEET

Overmolded Square Metal Tag-NXPUCODE 8

Superior Long Reading Range

RAIN RFID Overmolded Square Metal Tag is built in global band and has superior reading performance on metallic surface. With robust housing, this tag can survive harsh environment. It is ideal for RTI management and logistics purposes throughout the supply chain.

Features

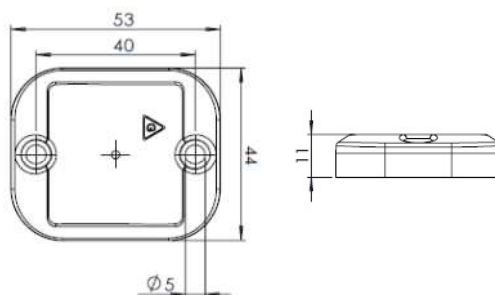
- Global band
- Robust housing
- Superior reading performance

Applications

- RTI (Returnable Transport Item)
- Logistics
- Supply Chain Management



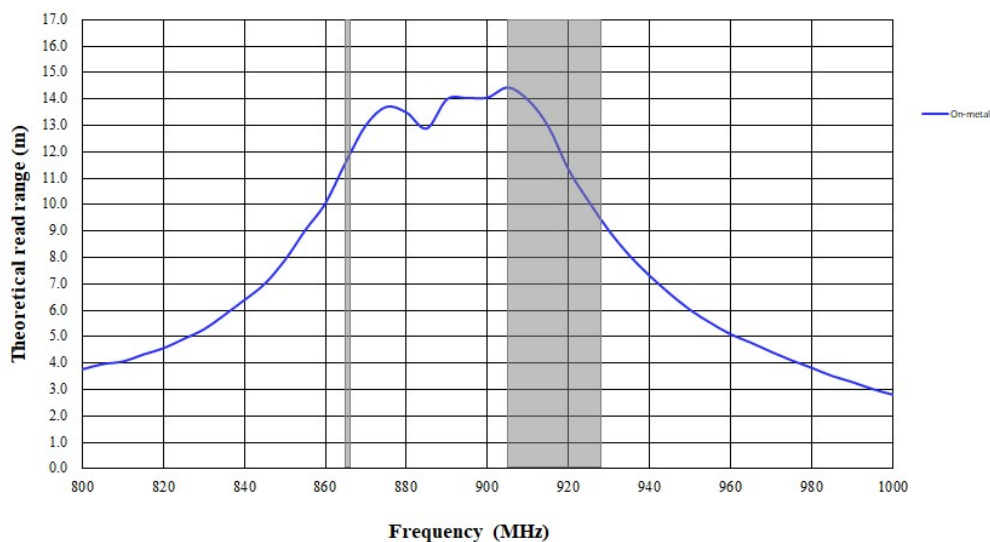
Physical Specification



Dimension	L 53 mm / 2.08 in
	W 44 mm / 1.73 in
	T 11 mm / 0.43 in
	*The exact size is mainly based on metric unit.
Color	Black
Material	Nylon
Attachment	1. Adhesive (*optional and not included)
	2. Screw (*M5 is recommended. *optional and not included)
Options	Laser Engraving

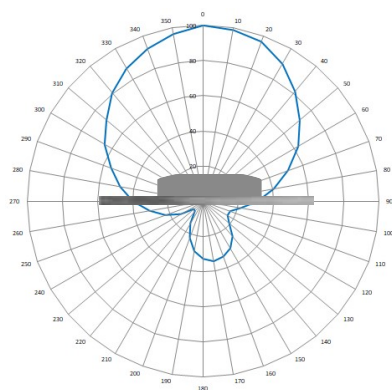
RF Specification

RFID Chip	NXP UCODE 8
Memory	EPC up to 128 bit / TID 96 bit
RF Interface Protocol	EPC Class1 Gen2 V2 / ISO 18000-6C
Operating Frequency	865-928 MHz
Applicable Surface	On-metal

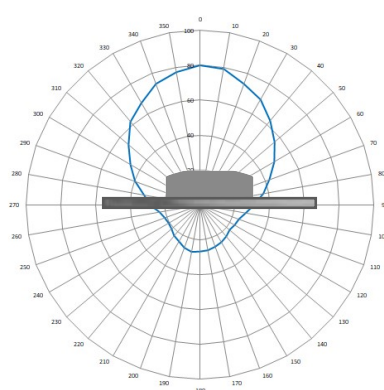


■ Reading distance might differ on the material which the tag is attached. SAG can help fine tune the antenna to obtain the optimized reading performance.

- Front Reading
- Applicable Surface : Metal



- Side Reading
- Applicable Surface : Metal



*Reading distance shown in the figure is measured by Voyantic Tagformance.
Actual reading performance is subject to the environment in practice.

Read Range(2W ERP / On-metal) Up to 14 M /46ft

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Environmental Resistance

Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 120°C
Warranty	One Year
IP Rating	IP68

Ref. No: Digi-key/420870558-02230

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