

PRODUCT DATASHEET

10x10mm HF Smart Label – NXP I CODE SLIX

A Miniaturized Smart Label Solution for Confined Space Tagging

This miniature smart label is built with etched copper antenna and RFID chip. It features ultra small size which opens more tagging possibility where confined space poses a challenge in the target application. Equipped with NXP ICode SLIX, this label is compliant with ISO15693 and offers the possibility of operating multiple labels simultaneously in the field of the reader antenna (anticollision function).

Features

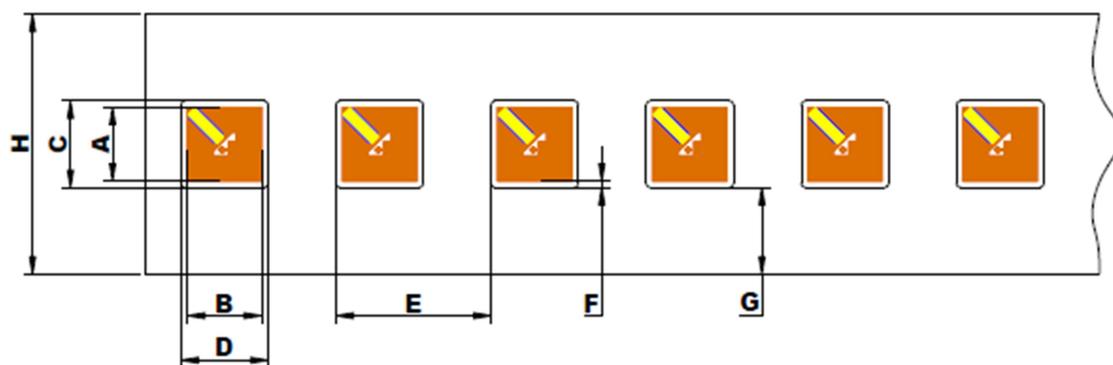
- A quick RFID tag solution to enable contactless identification
- High performance with anticollision function
- ISO15693 / NFC Forum Type 5 compliant

Applications

- Product Identification
- Inventory Management



Physical Specification



A	Inlay Length	8.5 mm / 0.33 in	E	Label Pitch	17.78 mm / 0.7 in
B	Inlay Width	8.5 mm / 0.33 in	F	Inlay to Die Cut	0.75 mm / 0.03 in
C	Label Length	10.0 mm / 0.39 in	G	Die Cut to Web Edge	10.0 mm / 0.39 in
D	Label Width	10.0 mm / 0.39 in	H	Web Width	30.0 mm / 1.18 in

*The exact size is mainly based on metric unit.



Packing Criteria

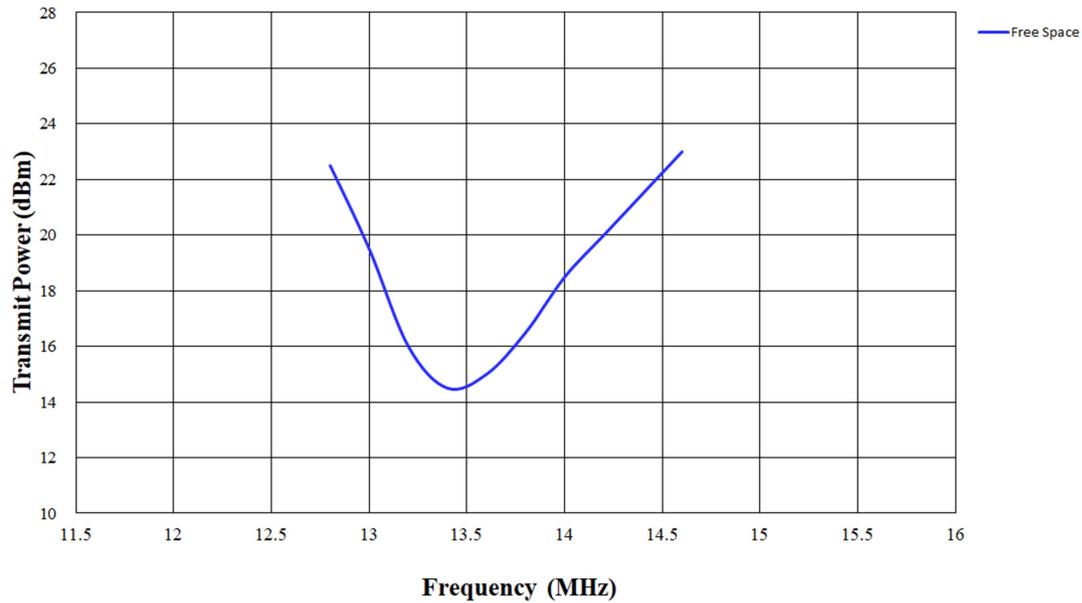
RF Specification

RFID Chip	NXP I CODE SLIX
Memory	UID 64 bit / User memory 896 bit
RF Interface Protocol	ISO 15693 / ISO 18000-3
Operating Frequency	13.56 MHz
Applicable Surface	Non-metal

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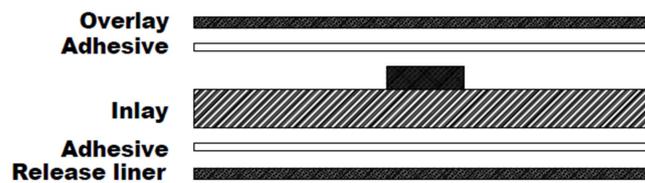




*HF sensitivity shown in the figure is measured by Voyantic Tagformance HF Loop Antenna C60. Actual sensitivity performance is subject to the environment in practice.

Environmental Resistance	
Operating Temperature	-25°C to 70°C
Storage Temperature	-25°C to 70°C
ESD Protection	±2 kV peak according to IEC 61000-4-2 Contact discharge
Warranty	One Year

Label Structure



Label Construction

Overlay	Transparent Glossy PET
Adhesive	Acrylic
Inlay	Copper antenna design
Adhesive	Acrylic
Release Liner	Glassine

Ref. No: Digi-key/440170527-08028

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