

PRODUCT DATASHEET

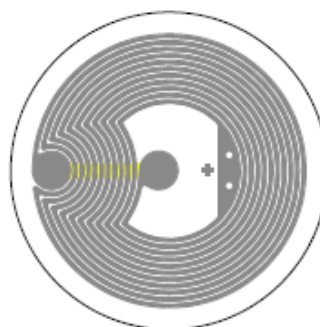
RFID Metal Label - D29

Roll-to-roll Metal Label for NFC On-metal Applications

Metal Label is specifically designed to go to items with metallic surface. Powered with NXP NTAG213 chip, Metal Label can interact with NFC-enabled smart phone. It also features a thin and flexible form factor for more use cases such as pipe or cylinder-shaped product management. Meanwhile, SAG Metal Labels are packed in reel format to enhance the efficiency of post-printing process of barcode or ID numbering.

Features

- Reel format (Roll-to-roll)
- Artwork or ID numbering
- On-metal applications

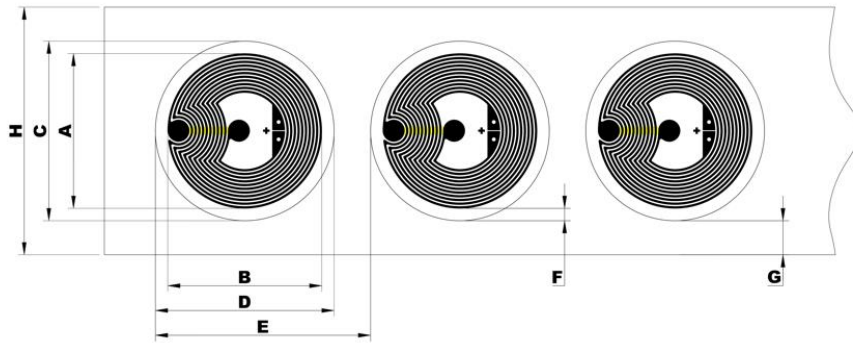


Applications

- Branding
- Product Identification
- Asset Management

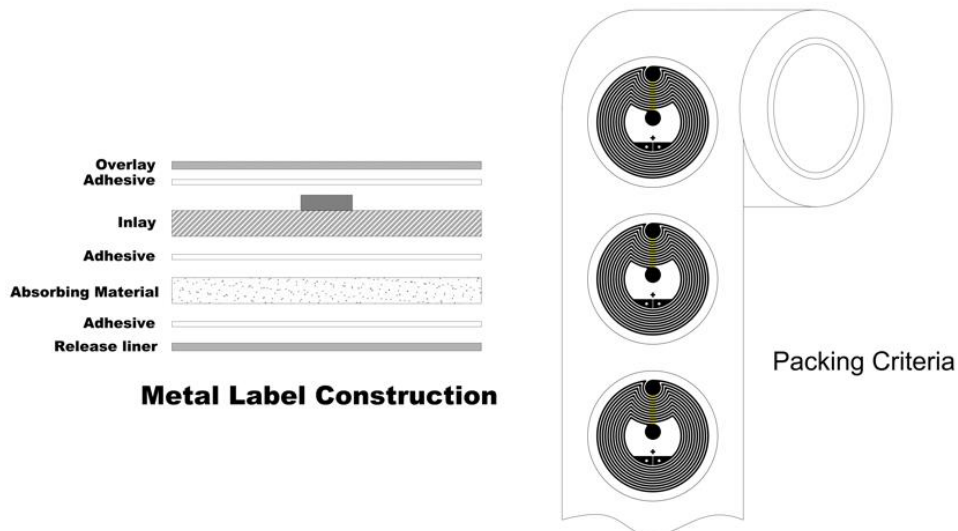
RF Specification	
IC Type	NXP NTAG 213
Memory	7-byte UID
	User 144 byte
RF Interface Protocol	ISO/IEC 14443 A
	NFC Forum Type 2
Operating Frequency	13.56 MHz

Physical Specification



A	Inlay Length	25.0mm / 0.98 in	E	Label Pitch	34.925mm / 1.37 in
B	Inlay Width	25.0mm / 0.98 in	F	Inlay to Die Cut	2.0mm / 0.07 in
C	Label Length	29.0mm / 1.14 in	G	Die Cut to Web Edge	5.5mm / 0.21 in
D	Label Width	29.0mm / 1.14 in	H	Web Width	40.0mm / 1.57 in
Thickness(No IC area)			0.37mm / 0.01 in (Without LINER)		

*The exact size is mainly based on metric unit.



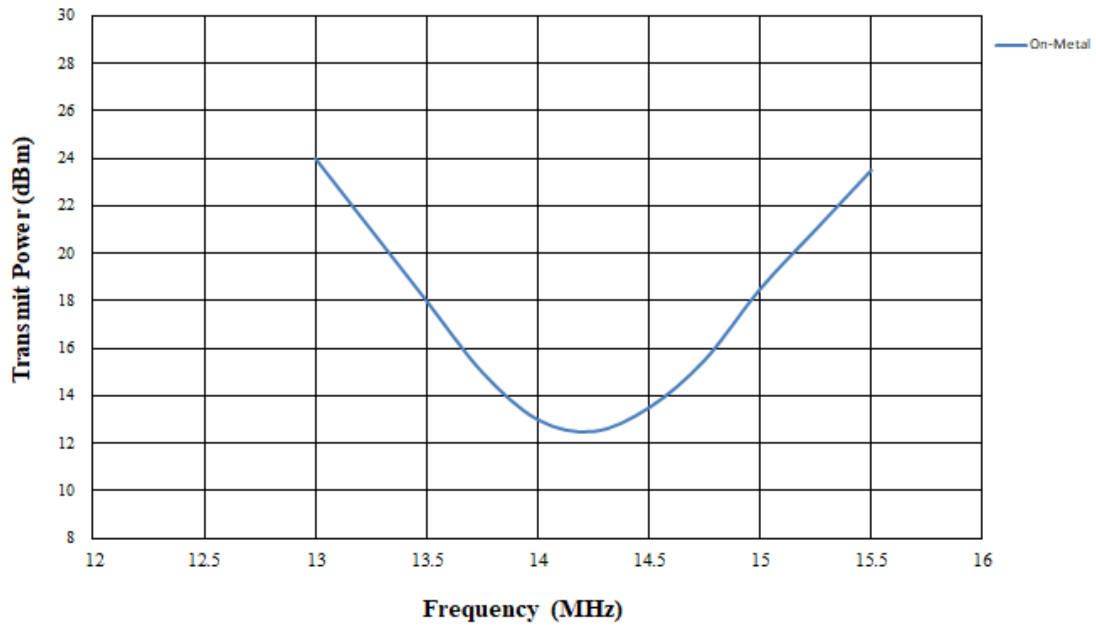
Label Structure

Overlay	White Glossy OPP
Adhesive 1	Acrylic
Inlay	Double sided aluminum antenna design
Adhesive 2	Acrylic
Absorbing Material	Magnetic particle
Adhesive 3	Acrylic
Release Liner	Glassine

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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

Ref. No: Digi-key / 440880538-01072

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