



ST Microelectronics ST25TN01K® NFC Label



SKU:	RS-TN01-CP-D25
Chip Type:	ST Microelectronics ST25TN01K®
Frequency Band:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A, NFC Forum Type 2
User Memory:	208 bytes
UID Memory:	7 bytes
Industry:	Retail, Events, Catering, Jewelry, Apparel and Fashion
Applications:	Inventory, Jewelries & Sunglasses, Warehouse, NFC, Product Authentication, Brand Protection



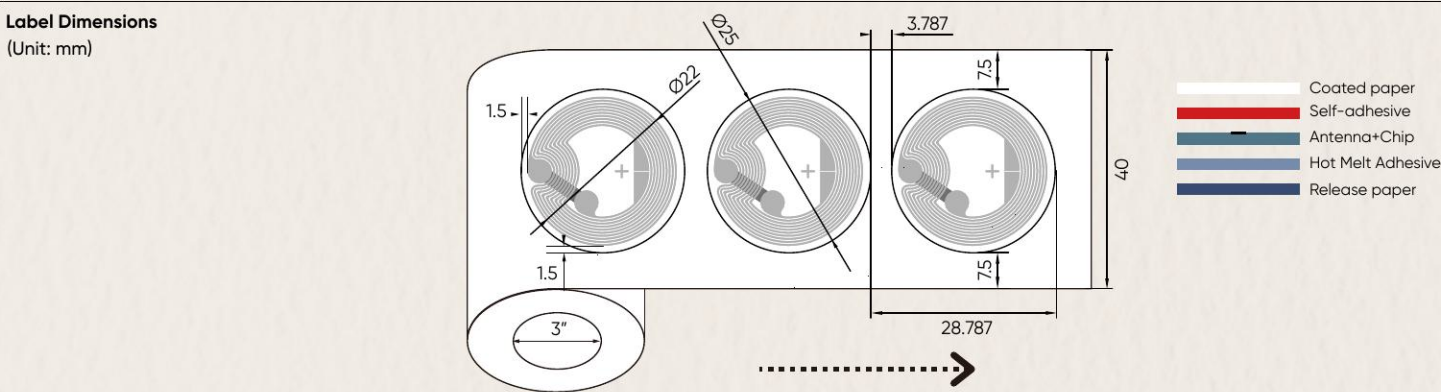
The ST25TN01K® NFC Label (Ø25 mm) is a compact and efficient NFC solution powered by ST Microelectronics ST25TN01K® chip. Supporting ISO/IEC 14443-A standards, this label ensures reliable near-field communication and is optimized for seamless tap-and-go experiences. With its 1664 bits user memory, it provides a cost-effective yet powerful option for embedding data, links, or authentication features.

Engineered for versatility, this Ø25 mm NFC label is widely applied in smart packaging, retail product authentication, event ticketing, and customer engagement campaigns. Its durable Coated Paper construction and high-quality antenna design ensure consistent read performance and easy integration into diverse applications, making it an ideal choice for brands looking to enhance interactivity and deliver trusted digital experiences.

Physical Information	Material	Coated Paper
	Label Size	Ø25 mm
	Antenna Size	Ø22 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	Paper carton, Plastic, Wood
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

Technical Information	Operating Frequency	13.56 MHz
	Protocol	ISO/IEC 14443-A, NFC Forum Type 2
	Chip Type	ST Microelectronics ST25TN01K®
	Operating Mode	Passive
	Data Transfer	106 kbit/s
	User Memory	208 bytes
	UID Memory	7 bytes
	NFC Forum NDEF Format	Support
	Digital Signature	TruST25
	Unique Tap Code	3-digit
	Anti-Collision Function	Support
	Security Features	Configurable kill mode for permanent deactivation of the tag

Packaging Information	Packing Format	Packed in roll, vacuumed packing in ESD bag
	Roll OD	Max. 176 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 Pcs/roll, per roll 0.86 kg



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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