



UCODE® 8 PET RFID On-Liquid Label



SKU:	RS-U8-PETOL-4318
Chip Type:	NXP UCODE® 8
Frequency:	UHF 860-960 MHz
EPC Memory:	128 bits
Protocol:	ISO IEC 18000-63, EPC Global Gen2v2
Industry:	Retail, Healthcare, Industrial Applications, Laboratory, Logistics, Catering
Applications:	Asset Tracking, Inventory, Warehouse, Liquids



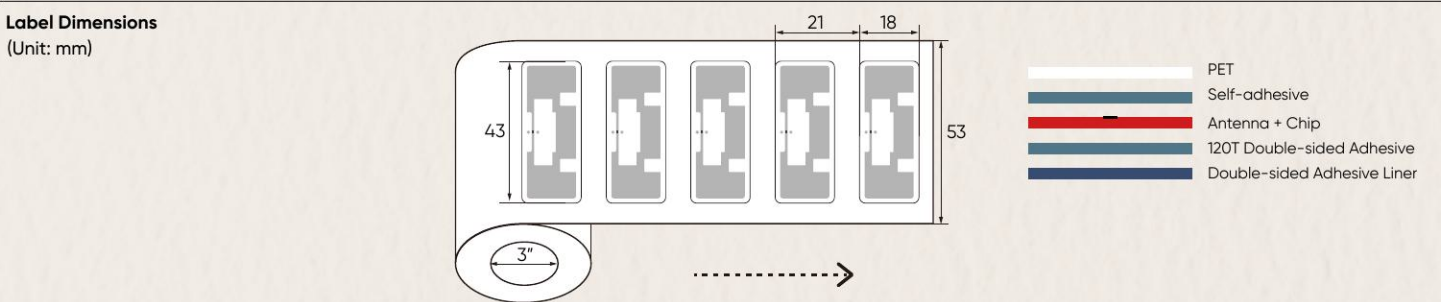
UHF UCODE® 8 RFID On-Liquid PET labels offer reliable tracking even in environments where liquids typically disrupt RFID performance. Equipped with NXP's UCODE® 8 chip and advanced antenna design, these labels maintain strong read accuracy when applied directly to liquid-filled containers, making them ideal for industries like pharmaceuticals, food, and chemicals.

The flexible PET material ensures durability, stable adhesion, and consistent read range, even under moisture, temperature changes, or rough handling. With these labels, businesses can improve inventory accuracy, streamline operations, and maintain visibility across their supply chains, even in challenging conditions.

Physical Information	Material	PET
	Size	43×18 mm
	Antenna Size	40×15 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, Liquid
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Inlays with black-dot marks are bad ones, do not use.

Technical Information	Operating Frequency	UHF 860-960 MHz
	Communication Protocol	ISO IEC 18000-63, EPC Global Gen2v2
	Chip Type	NXP UCODE® 8
	EPC Memory	128 Bits
	TID Memory	96 Bits
	Security Features	Support Memory Safeguard

Packing Information	Packing Format	Packed in roll, vacuumed packing in ESD bag.
	Roll OD	Max. 171 mm
	Core ID	3 inch/76.2 ± 0.50mm
	Packing Quantity	1000 pcs/roll, weight per roll 0.3kg



● **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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