



NXP® UCODE® 8 UHF RFID Flag Label



SKU: RS-U8-CPFL-7045

Chip Type: NXP® UCODE® 8

Frequency: UHF 860-960 MHz

EPC Memory: 128 bits

Protocol: ISO/IEC 18000-63,
EPCglobal Gen2v2

Industry: Retail, Logistics, Laboratory,
Healthcare

Applications: Supply Chain Management, Inventory
Management, Asset Tracking, Security



This 70*45mm UHF RFID Flag label is equipped with the NXP® UCODE® 8 chip, offering excellent performance and reliability. The unique "flag" design allows part of the label to extend away from the surface of the attached object, ensuring that the RFID antenna remains free from direct contact. This structure effectively reduces interference from materials such as metal or liquid, thereby maximizing read range and signal stability.

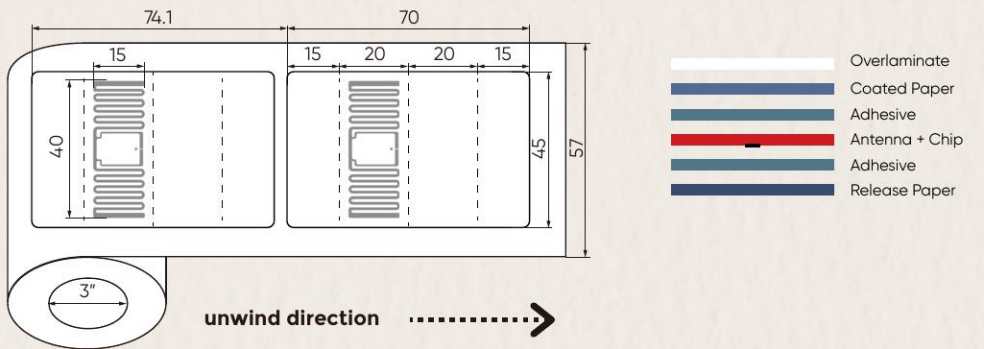
With its enhanced read performance, this label is ideal for various RFID applications including supply chain management, inventory control, asset tracking, security, and access control. It provides a cost-effective and efficient solution for environments requiring high-speed identification and accurate data capture.

Physical Information	Material	Coated Paper
	Label Size	70×45 mm
	Antenna Size	40×15 mm
	Compliance	WEEE Directive
	Operating Environment	Label attach: +10°C~+40°C, 20%~80% RH After label attached: -20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	Paper carton, Plastic, Wood, Metal, Liquid, Glassware
	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	860~960 MHz
	Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
	Chip Type	NXP® UCODE® 8
	EPC Memory	128 bits
	Innovative Features	Self-Adjust Memory Safeguard Untraceable Pre-serialization for 96-bit EPC Integrated Product Status Flag(PSF)
	Security Features	32-bit Kill/Access Password (Perma)LOCK Kill Command Brand Identifier

Packaging Information	Packing Format	Packed in roll, vacuumed packing in ESD bag
	Roll OD	Max. 174 mm
	Core ID	3 inch (76.2 ± 0.50 mm)
	Packing Quantity	1000 Pcs/roll, per roll 0.977 kg

Label Dimensions
(Unit: mm)



● **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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