

Specxus Liquid Mini

43 x 18 mm U9xe

The Specxus Liquid Mini RICHRFID is a synthetic paper RFID label specifically engineered for liquid-filled containers. Its optimized design ensures stable reading performance on challenging substrates such as glass bottles for drinking water, wine, and other liquid products, making it highly suitable for retail and beverage applications.

The product complies with EPCglobal Class 1 Gen 2, ISO 9001 quality management, and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the NXP UCODE 9xe IC, it features the same memory size and core IC functions as the NXP UCODE 8. In addition, it includes a self-adjusting mechanism that maximizes performance even under harsh environmental conditions. It offers improved read/write sensitivity and faster encoding speed. It also incorporates a brand identification number function to verify product authenticity, as well as a memory safeguard system to protect operational data.

Overview

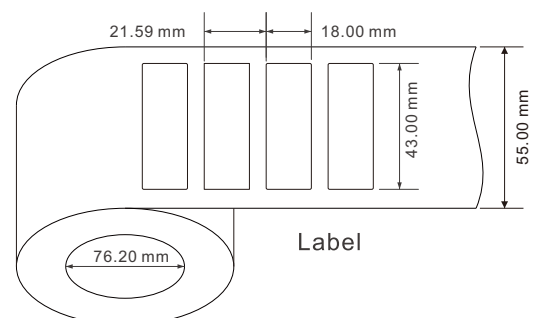
Frequency Band
UHF 860-960 MHz

Chip Type
NXP Ucode 9xe

Dimensions
43 x 18 mm / 1.69 x 0.71 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

Application
Alcohol & Beverage
Medicine & vaccine
Cosmetic & perfume
Detergent & reagent





Model	RC5020
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	NXP Ucode 9xe
Memory	User - NA; EPC -128 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Read Range(2W ERP)	FCC: > 1.6 m(5.3 ft), on liquid ETSI:> 1.2 m(3.9 ft), on liquid
Physical Features	
Dimension	43 x 18 mm / 1.69 x 0.71 in
Material	PET
Adhesive	Double-sided tape
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
Other Features	
Installation	Adhesive on clean & dry surface
Customization	Printing, Encoding, Designing, etc.
Package	2,500 pcs / roll, 4 rolls / box

PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.



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DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

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