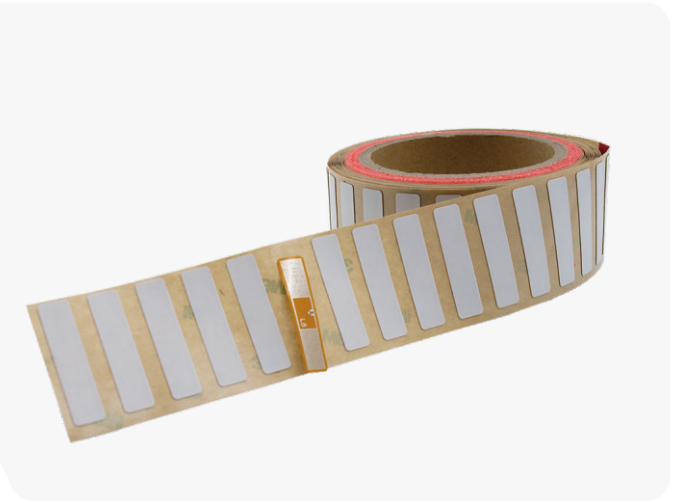




Specxus Ember

41 x 10 mm U9xm

The Specxus Ember is engineered for environments where labels are exposed to elevated temperatures, rapid thermal changes, or industrial heating processes.

Using heat-resistant substrates, adhesives, and a reinforced antenna structure, this label maintains stable UHF RFID performance in conditions where standard labels degrade or fail.

Typical applications include manufacturing workflows, automotive components, electronics processing, metal trays, and logistics operations involving high-temperature exposure.

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 9xm IC, it features extended EPC/user memory, making it possible to store the data points needed to recycle, resell, and reuse products. It also increases visibility by promoting efficiencies within manufacturing and supply chains, helps reduce waste by making it easier to match production with demand, and improves efficiency by transporting only what's ordered.

Overview

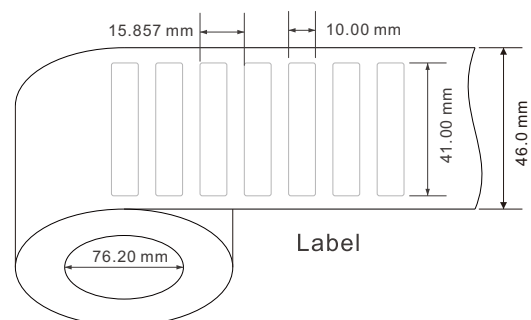
Frequency Band
UHF 860-960 MHz

Chip Type
NXP Ucode 9xm

Dimensions
41 x 10 mm / 1.61 x 0.39 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

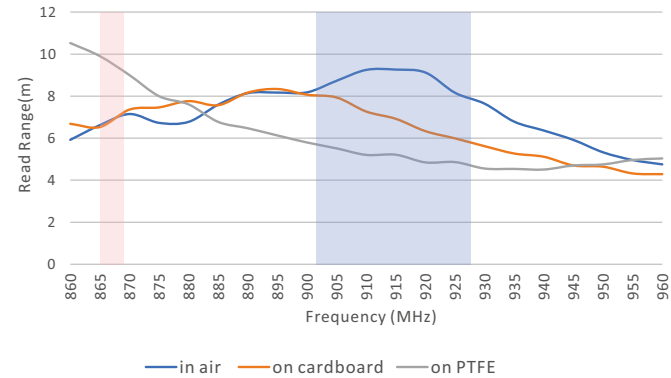
Application
Medical consumable
Manufacturing industry



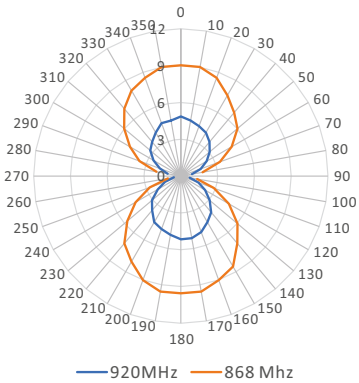


Model	RC5135
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	NXP Ucode 9xm
Memory	3 Customer Configurable Memory ① User - 752 bits; EPC - 128 bits; TID - 96 bits ② User - 624bits; EPC - 256 bits; TID - 96 bits ③ User - 384 bits; EPC - 496 bits; TID - 96 bits
Data Storage	> 20 years
Re-write	100,000 times
Physical Features	
Dimension	41 x 10 mm / 1.61 x 0.39 in
Material	Coate Paper
Adhesive	3M99786
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	150°C/1 hour,134°C/2 hour 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

Read Range(2W ERP)



Radiation Pattern



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

RICHRFID

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Shenzhen | Hong Kong | Singapore | Seoul | Tokyo | Paris



DISCLAIMER

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