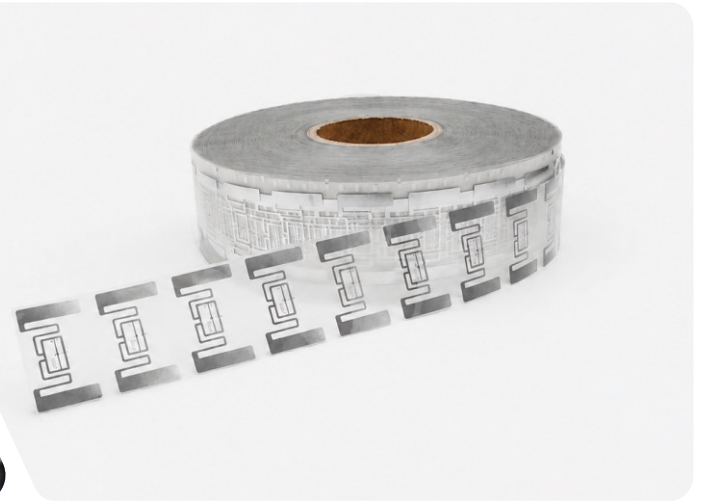




Mesh 50 x 30 mm M830

The Mesh from RICHRFID is a versatile, high-performance dry inlay designed for a wide range of applications. It delivers reliable reading performance across apparel and fashion, library and archives, automotive, and warehouse logistics applications.

The product complies with EPCglobal Class 1 Gen 2 and is manufactured under ISO 9001 quality management and ISO 14001 environmental management standards, ensuring reliable, industrygrade performance for diverse use cases.

Equipped with the Impinj M830 IC, it offers improved read/write sensitivity compared with the M700 series, enabling faster and more accurate bulk reading performance. It supports standard access and kill functionality for secure data management and permanent tag deactivation when required in retail environments.

When Impinj Protected Mode is enabled, the converted label can help protect item data privacy, making it suitable for high-value products, authenticity verification, and applications requiring enhanced privacy protection.

Designed for conversion into a 54 x 35 mm RFID label, the dry inlay delivers stable RFID performance and is especially wellsuited for retail applications.

Overview

Frequency Band

UHF 860-960 MHz

Chip Type

Impinj M830

Dimensions

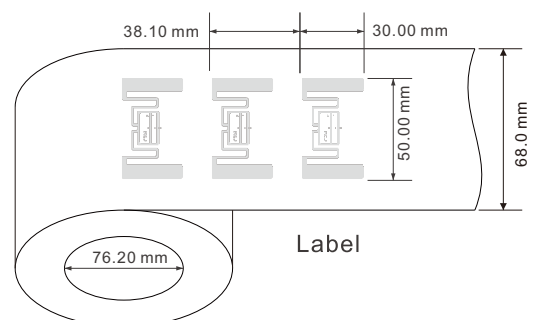
50 x 30 mm / 1.97 x 1.18 in

Air Interface Protocol

ISO/IEC 18000-63 Type C

Application

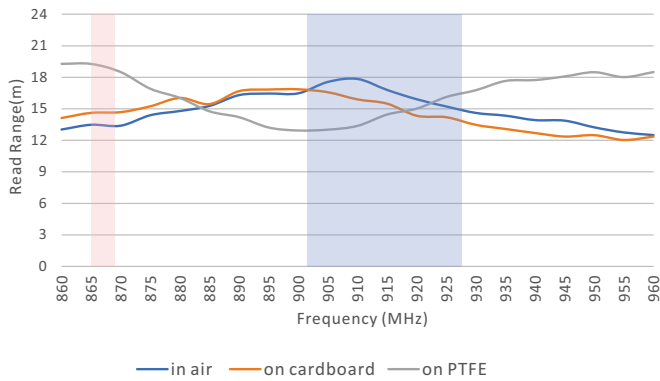
Retail & Apparel
Asset tracking
Smart packaging
Authentication



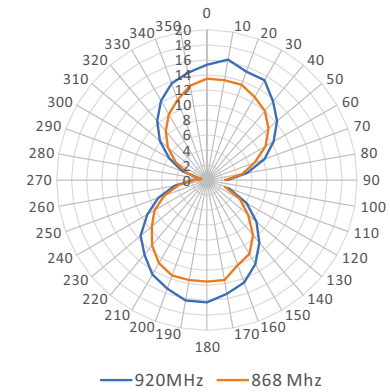
Technical Features

Chip Type	Impinj M830	
EPC	128 bits	
User	N/A	
TID	96 bits	
Model	—	RC5134
Delivery Format	Dry Inlay	Label
Die-Cut Dimension	—	54 x 35 mm / 2.13 x 1.38 in
Inlay Substrate	50 um PET	50 um PET
Face Material	—	Coated Paper
Adhesive	—	Hot Melt
Standard Pitch	38.1mm / 1.50 in	38.1 mm / 1.505 in
Web Width	68 mm / 2.68 in	65 mm / 2.56 in
Core inner Diameter	76.2 mm / 3.0 in	76.2 mm / 3.0 in
Operating Temperature	-40°C to 85°C / -40°F to 185°F	
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight	
Installation	—	Adhesive on clean & dry surface
Customization	Encoding, Designing, etc.	Printing, Encoding, Designing, etc.
Package	10,000 pcs / roll, 4 rolls / box	2,500 pcs / roll, 4 rolls / box
Application	Non-metal	

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

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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