

Mesh 50 x 30 mm M830

The Mesh inlay/label from RICHRFID is a versatile, high-performance tag designed for a wide range of applications. It delivers reliable reading performance across supply chain management, inventory control, logistics, retail and apparel.

The product is complied 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 Impinj M830 IC. The IC has an Improved read / write sensitivity compared to the M700 series ,enables faster, more accurate bulk reading performance. Supports kill command functionality for updating or disabling tag data when required in retail environments. Provides simple access control for secure data management

By enabling Privacy Mode, the label can be used for high-value products, authenticity verification, and applications requiring enhanced privacy protection.

The label size 54 x 35 mm and performance make it especially well-suited for retail application.

Overview

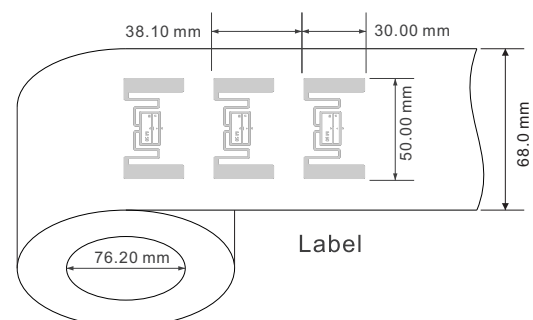
Frequency Band
UHF 860-960 MHz

Chip Type
Impinj Monza 830

Dimensions
50 x 30 mm / 1.97 x 1.18 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

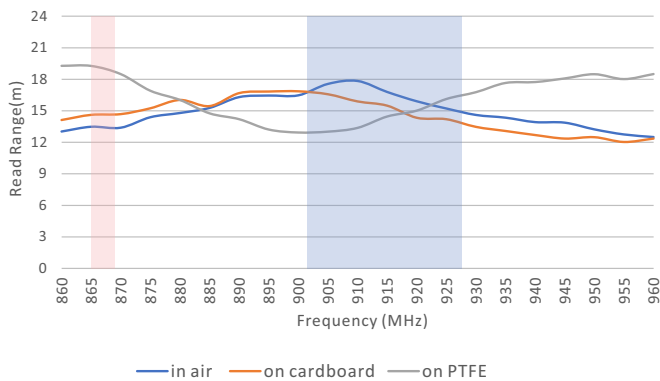
Application
Retail & Apparel
Asset tracking
Smart packaging
Authentication



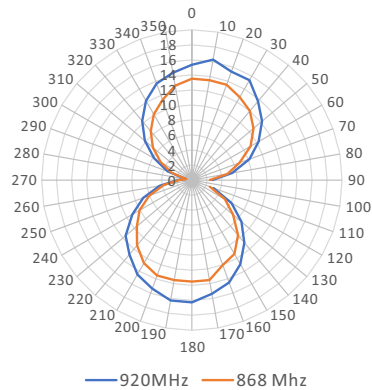
Technical Features

Chip Type	Impinj Monza 830	
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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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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