

## Impinj M4 UHF RFID Small Inlay-spec sheet



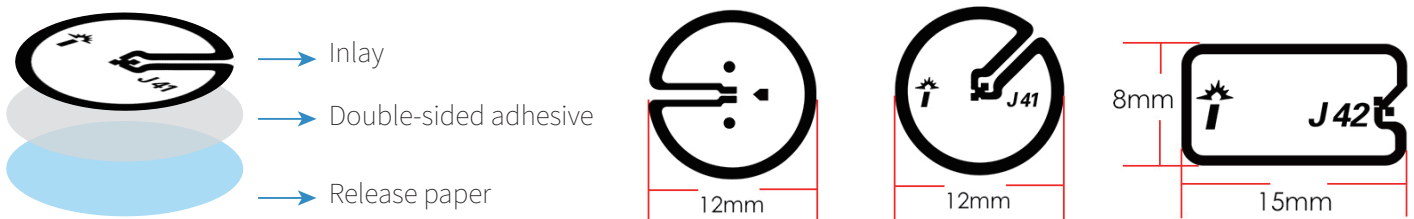
This UHF RFID Inlay is very small, and its diameter is only 12mm. With the Impinj M4 chip, it is very powerful. Impinj M4 inlay has higher read reliability, 66% higher than other chips. Also, it features high security, excellent RF performance, and good flexibility.

Because it is small enough, Impinj M4 UHF RFID Small Inlay can be installed on small target objects. Because it is powerful, it is especially suitable for applications that are difficult to control tag positioning. For example, retail, baggage handling, asset tracking, etc.

### Parameters

Item	Impinj Monza 4 UHF RFID Mini Inlay	Material	Coated paper, Glossy paper, Matte paper	Working Temperature	-25~65°C
Antenna Material	Aluminum	Size	Dia12 mm or Customized	Data Retention Time	10 years
Chip	Impinj Monza 4	Crafts Available	Logo or number printing, Bar code QR code, etc.	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.
Frequency	UHF 860-960MHz	Reading Distance	0-10cm	Write Endurance	100000 times
Protocol	ISO18000-6B/ISO 18000-6C EPC C1G2				

### Dimensional Diagram



### Feature

- ▶ True3D™ antenna technology—patented, dual-differential antenna ports enable compact Omni-directional tags, improving item-level read reliability
- ▶ QT™ technology—protects business-sensitive data while assuring consumers of privacy
- ▶ Available memory options to support large user-memory applications
- ▶ BlockPermalock Gen2 command adds flexibility in memory usage
- ▶ FastID™ mode enables 2x to 3x faster EPC+TID inventory for authentication and other TID-based applications
- ▶ TagFocus™ mode suppresses previously read tags to enable capture of more tags
- ▶ Extended temperature range (-40 °C ~ +85 °C) for performance under hard conditions
- ▶ Impinj's field-rewritable NVM (optimized for RFID) provides 100,000-cycle/50-year retention reliability
- ▶ EPCglobal and ISO 18000-63 compliant, Gen2V2 compliant

## Available chips

### 860~960 MHz UHF Chips

Chip Name	Protocol	Capacity	Frequency
Alien H3	ISO18000-6C	512 bits	860~960 MHz
Impinj Monza 4	ISO18000-6C	96 bits	860~960 MHz
UCODE G2iL	EPCglobal Class1Gen2	128 bits	860~960 MHz

## APPLICATIONS

- Logistics tracking
- Asset Management
- Supply chain Management
- Parking Management
- Warehouse Management
- Retail Management
- Luggage management
- Personal experience and safety
- Important document management
- Other Applications