



# BOLT FOAM BACKED UHF RFID TAG

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Engineered specifically for race timing applications, the **Vulcan RFID Foam Backed Bolt Tag** combines superior performance with affordability. Built on the proven foundation of the Bolt series, this tag delivers **fast, accurate reads** while maintaining the reliability required in high-volume timing environments.

Featuring a **thin 2 mm (0.08 in) foam backing**, the **Vulcan RFID Foam Backed Bolt** improves tag separation and read performance when attached to **race bibs, apparel, or other challenging surfaces**. The added foam layer also **enhances durability and comfort**, making it a dependable solution for athletes and event organizers alike.

Powered by the **Impinj M830 chip**, this tag leverages **Impinj's AutoTune V3** technology to optimize readability across varied environments and materials. Its **high-quality construction** ensures consistent performance, while the durable design provides dependable results throughout demanding events.

The **Vulcan RFID Foam Backed Bolt** is an ideal choice for:

- Marathons
- Sprint Races



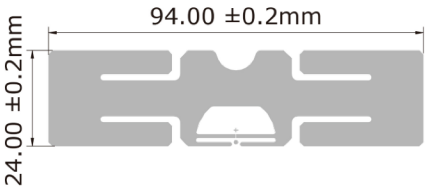

**VULCAN RFID™**

## Specifications

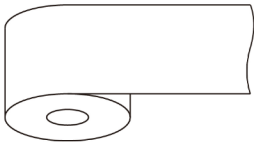
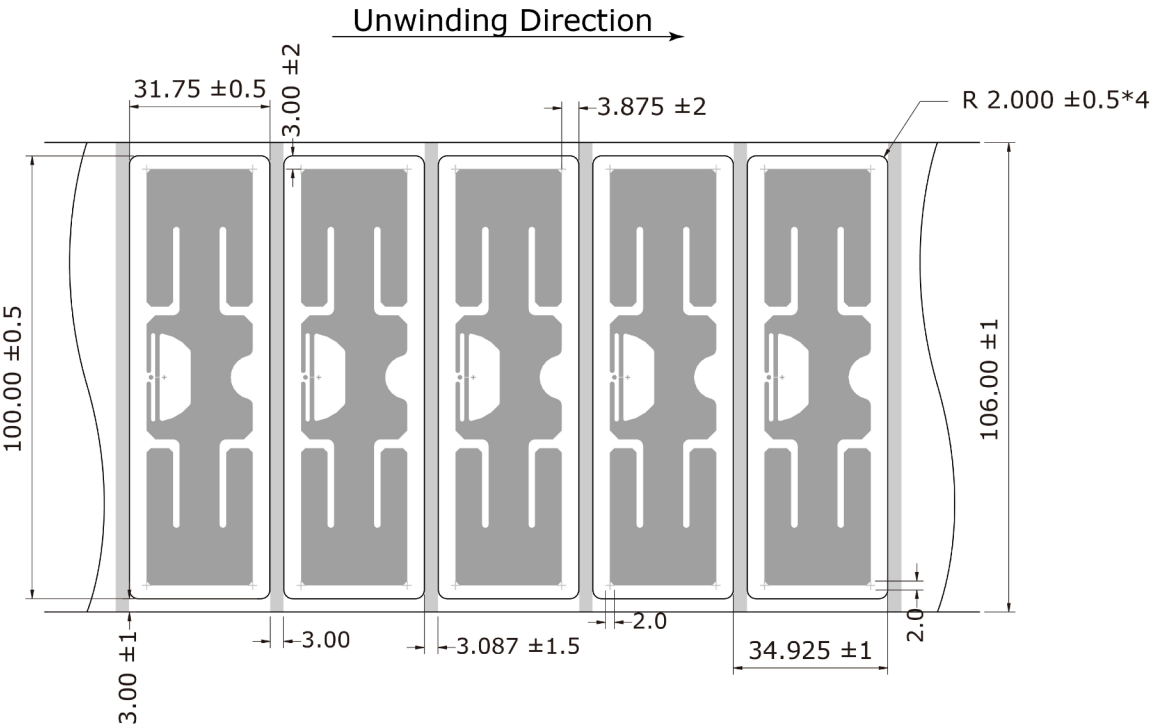
ELECTRICAL	Operating Frequency:	Global (860-960 MHz)
	Air Interface Protocol:	UHF ISO-18000-6C
	IC Type:	Impinj M830
	Memory:	EPC 128 Bits, User 0 Bits, TID 96 Bits
	EPC Memory Content:	Unique, Auto-Serialized
	Max Read Distance:	Up to 9 m (30 ft) on Cardboard
	Applicable Surface Materials:	Tyvek Racetiming Bibs, Paper, Cardboard
MECHANICAL	Tag Form Factor:	Foam Backed Tag
	Tag Materials:	Silicon Paper and White Foam
	Recommended Ribbon:	Wax-Resin Ribbon
	Attachment Method:	Adhesive
	Dimensions:	100 x 31.75 x 2.135 mm (3.937 x 1.250 x 0.084 in)
	Weight:	1 g (0.002 lbs)
	Core ID:	76.2 mm (3 in)
	External Roll Diameter:	190 mm (7.48 in)
	Quantity per Roll:	250 Tags
ENVIRONMENT	Operating Temperature:	-40° to +85°C (-40° to +185°F)



Diagrams



Layout and Dimensions (mm)



Construction (Thickness: mm; Tolerance: +/-10% per layer )

2		White Foam with adhesive(BYMC00088)
0.062		Inlay
0.02	chip	Transfer Tape(BYJC00063)
(Print) 0.053		Silicon Paper(BYJC00063)



## About Vulcan RFID Products

Vulcan RFID offers a broad range of innovative RFID readers, antennas, custom RFID tags, and accessories suited for a wide variety of industries and applications. Designed to deliver superior accuracy and reliability, Vulcan RFID products offer exceptional flexibility and performance. Vulcan RFID delivers an extensive product portfolio that includes both UHF and NFC products that support a large variety of market solutions. Manufactured to withstand environments ranging from mild to extreme, Vulcan RFID products enable end-users to reach and sustain high levels of performance in the UHF or NFC frequency bands.



### Vulcan RFID Readers

Vulcan RFID offers high-performance RFID readers that are easy to install, configure, and integrate.

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### Vulcan RFID Antennas

Vulcan RFID offers an extensive collection of UHF RFID antennas designed to maximize the RF performance and coverage area of an RFID system.

[Shop Now](#)


### Vulcan RFID Tags & Inlays

Vulcan RFID offers a broad range of RFID labels, tags and inlays built to withstand environments ranging from mild to extreme.

[Shop Now](#)


### Vulcan RFID Accessories

Vulcan RFID provides a variety of high-quality accessories, RF hardware, and cables.

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