



FLASH MICRO ON-METAL LABEL

The Vulcan RFID Flash Micro On-Metal Label is an affordable option for tagging metal assets and consumable metal products in industries such as IT, healthcare, aerospace, and transportation.

The Vulcan RFID Flash Micro On-Metal Label maintains its read range while adhered to curved surfaces and is designed to attach to metal assets with limited tagging areas.

The Vulcan RFID Flash Micro On-Metal Label features the Impinj M830 IC, a next-generation RAIN RFID chip that delivers extended read range and improved performance. The M830 is equipped with 128 bits of EPC memory and supports AutoTune V3 for enhanced RF tuning optimization.

The Vulcan RFID Flash Micro On-Metal Label is compatible with onsite printing and encoding, making it a low cost option for tagging assets in the field.

The Vulcan RFID Flash Micro is great for tagging metal objects and metallic surfaces in a variety of applications, including but not limited to:

- Asset Tracking
- Work-In-Progress Tracking
- Maintenance Management
- Tracking Metal Consumables





Specifications

ELECTRICAL	Operating Frequency:	FCC (902-928 MHz), ETSI (865-868 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, Synchronized
	Max Read Distance:	Testing Recommended
	Applicable Surface Materials:	Metal and Metallic Substrates

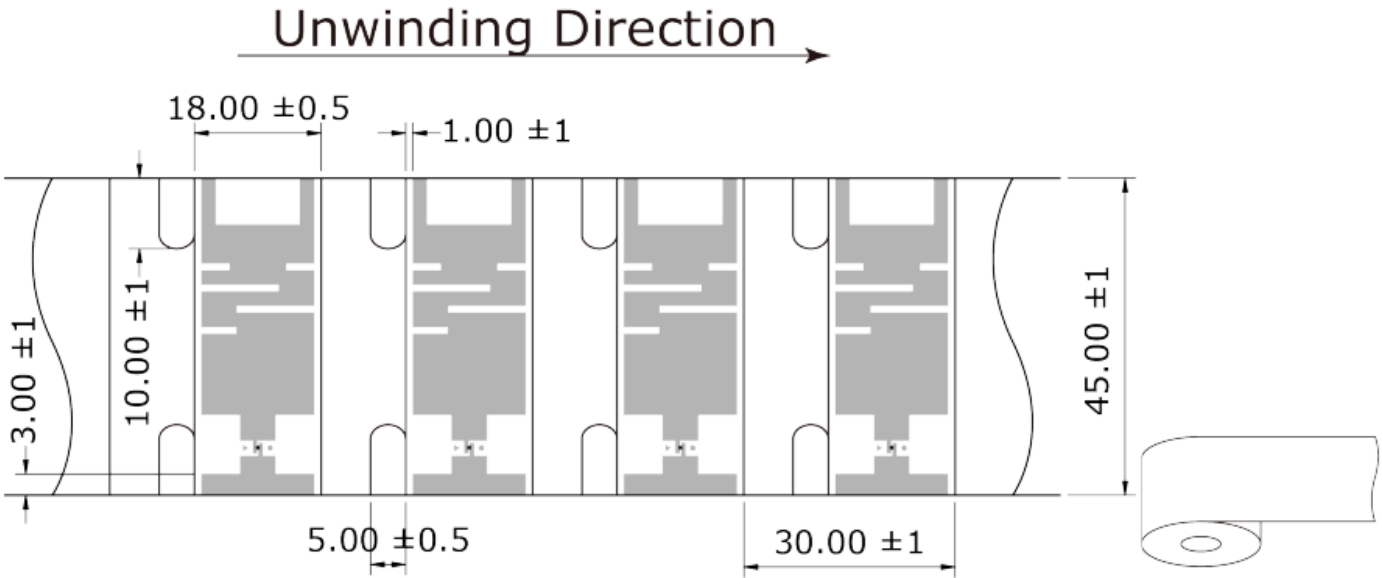
MECHANICAL	Tag Form Factor:	On-Metal RFID Label
	Tag Materials:	Aluminum, PET
	Recommended Ribbon:	Resin Ribbon
	Attachment Method:	Double-sided Adhesive
	Dimensions:	45 x 18 x 1.4 mm (1.77 x 0.71 x 0.055 in)
	Weight:	1 g (0.002 lbs)
	Core ID:	76.2 mm (3 in)
	External Roll Diameter:	200 mm (7.87 in)
	Quantity per Roll:	500 Tags

ENVIRONMENT	Operating Temperature:	-40° to +85°C (-40° to +185°F)



Diagrams

Layout and Dimensions (mm)



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

0.075		Matte White PP with adhesive(BYMC00063)
0.062		Inlay
1.1		Foam(BYMC00135)
0.062		AL+PET
0.15		Double-sided Adhesive(BYJC00054)
0.115		Silicon Paper(BYJC00054)

Product Parameter

Parameters	Characteristics
Tail	1 m leading silicon paper at the beginning and the end of roll
Defectives	NA.
Yield	≥ 99 %



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.

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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.

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Vulcan RFID Accessories

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

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