



FIRE

UHF RFID LABEL

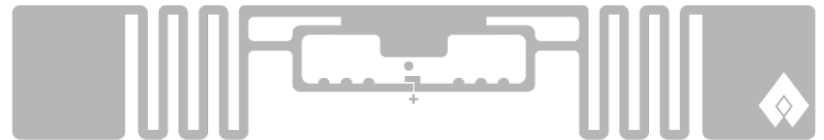
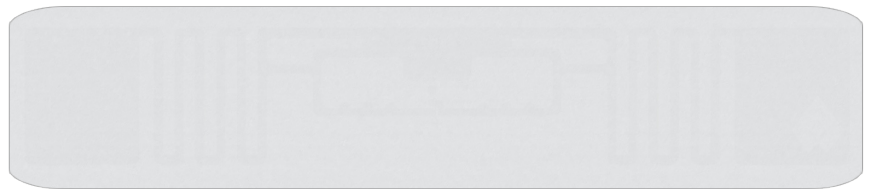
With a narrow antenna design, the Vulcan RFID Fire UHF RFID Label delivers exceptional performance for its size and fits on assets with **minimal tagging area**.

The Vulcan RFID Fire excels on tough-to-tag materials and features **Impinj's AutoTune V3**, which optimizes the tags readability based on the environment and tagged material.

The polypropylene layer on the face of the label gives the Vulcan RFID Fire the durability to survive a **global supply chain**.

The Vulcan RFID Fire is great for tagging many assets and materials in a variety of applications, including but not limited to:

- Supply Chain Management
- Worldwide Retail
- Asset Management
- Apparel Tracking





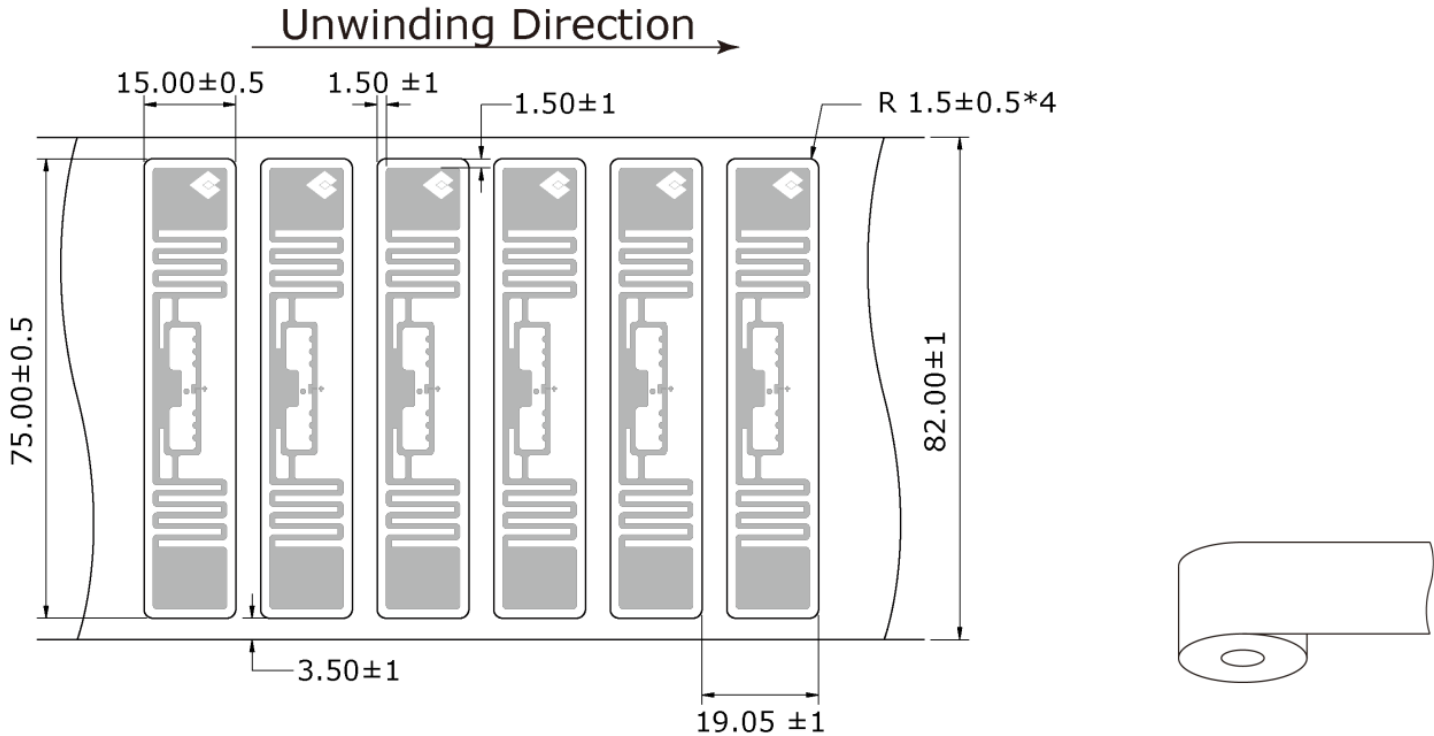
Specifications

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:	35 - 40 ft on Cardboard
	Applicable Surface Materials:	Glass, Plastic, Wood, Cardboard
MECHANICAL	Tag Form Factor:	Label
	Tag Materials:	Matte White Polypropylene
	Recommended Ribbon:	Resin
	Attachment Method:	Permanent Acrylic-Based Adhesive
	Dimensions:	75 x 15 x 0.21 mm (2.95 x 0.59 x 0.008 in)
	Weight:	1 g (0.002 lbs)
	Core ID:	76.2 mm (3 in)
	External Roll Diameter:	196 mm (7.72 in)
	Quantity Per Roll:	5,000 Labels
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	chip	Matte White PP with adhesive(BYMC00148)
0.062		Inlay
0.02		Transfer Tape(BYJC00063)
0.053		Silicon Paper(BYJC00063)

Product Parameter

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



Accessories & Compatible Products

Vulcan RFID Read & Write Software



VUL-UHF-READ-WRITE-SOFTWARE

Vulcan RFID Iron USB Reader



VUL-USB-IRON-INTANT-ENC-US

Vulcan RFID Indium Handheld Reader



VUL-HH-INDIUM-IMG-US

Vulcan RFID Titanium UHF RFID Reader



VUL-TITANIUM-4PG

Vulcan RFID C610 Outdoor RFID Antenna



VUL-C610-FCC



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.

[Shop Now](#)



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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