



Product Family | Global UHF RFID Label (860 - 960 MHz)
Product Code | VUL-FIRE-M730-LBLPET

FIRE

UHF RFID LABEL

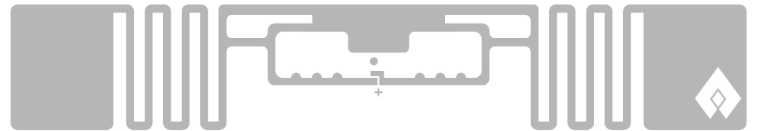
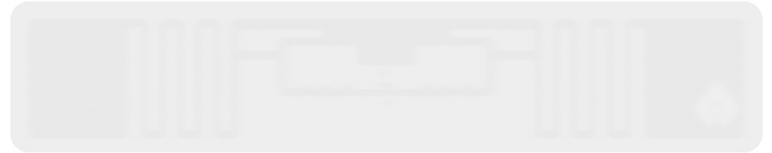
The Vulcan RFID™ Fire UHF RFID Label features the new Impinj M730 IC. This label provides excellent read performance for operations in retail with applications such as hang tags, supply chain management, and shipping services. Other typical applications include but are not limited to:

- Corrugated Cases
- Pallet Placard Labels
- Asset Management

The narrow antenna design makes the label an ideal fit for certain applications such as file folder labels and other applications that include plastics.

Compared to an inlay, this label is outfitted with a PET facestock, exhibiting heightened durability and extending tag longevity. With the narrow antenna design and larger size when compared to its counterpart in the Vulcan RFID™ Flame, the Vulcan RFID™ Fire exhibits increased performance.

From tracking along the supply chain, to loss prevention, the Vulcan RFID™ Fire is an optimal tag, featuring enhanced read sensitivity with 128 bits of EPC memory.





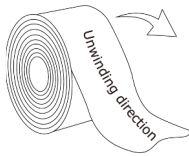
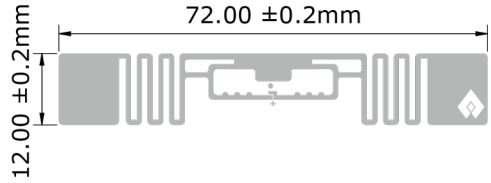
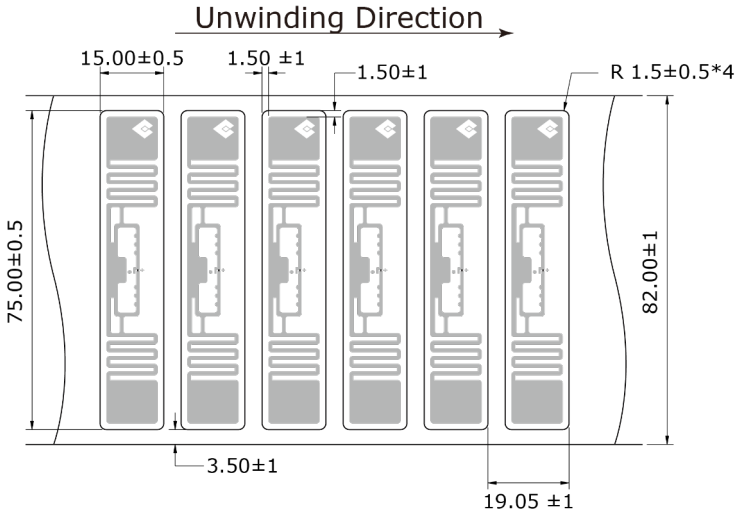
Specifications

ELECTRICAL	Air Interface Protocol:	ISO 18000-6C
	Operating Frequency:	Global (860-960 MHz)
	IC Type:	Impinj M730
	Memory:	EPC 128 Bits, TID 96 Bits, User 0 Bits
	EPC Memory Content:	Unique, Auto-Serialized
	Max Read Distance:	Testing Recommended
	Applicable Surface Materials:	Glass, Plastic, Wood, Cardboard
MECHANICAL	Tag Form Factor:	Label
	Tag Materials:	Matte White PET
	Attachment Method:	General Purpose Permanent Acrylic Based Adhesive
	Quantity per Roll:	5,000
	Core Internal Diameter:	76.2 mm (3 in)
	Roll External Diameter:	195.83 mm (7.71 in)
	Dimensions:	75 x 15 mm (2.95 x 0.59 in)
	Weight:	1 g
	Pitch:	19.05 mm
ENVIRONMENT	Operating Temperature:	-40° to +85°C (-40° to +185°F)
	Storage Temperature:	-55° to +125°C (-67° to +257°F)



Diagrams

Layout and Dimensions (mm)



Construction (Total Thickness: 0.26~0.36 mm)

0.05	chip	Matte White PET with adhesive (BYMC00042)
0.062		Inlay
0.02		Transfer Tape(BYJC00031)
0.053		Silicon Paper(BYJC00031)

Product Variations

	IC Type & Memory	Form Factor	Product Code
Fire	NXP UCODE 8 (EPC 128 Bits, TID 96 Bits)	Label	VUL-FIRE-UC8-LBLPET
	Impinj M730 (EPC 128 Bits, TID 96 Bits)	Label	VUL-FIRE-M730-LBLPET



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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