



Product Family | Global UHF RFID Inlay (860 - 960 MHz)

Product Code | VUL-FLAME-M6RP-WWINLY

FLAME

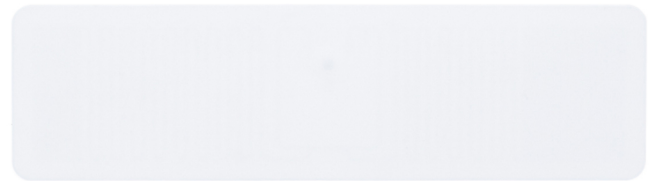
WHITE WET INLAY

The Vulcan RFID™ Flame UHF RFID White Wet Inlay is equipped with the optimal, efficient, and fast **Monza R6-P** IC designed to meet the needs of challenging RFID tagging applications.

Combined with a small form factor and a user memory of 32 bits for distributed data applications, this inlay is ideal for a variety of applications that small package labels, including:

- Corrugated Cases
- Pallet Placard Labels
- Asset Management
- Shipping Labels

The Vulcan RFID™ Flame is the shorter counterpart to the Vulcan RFID™ Fire, but offers excellent performance with its **extensible memory bank**. Outfitted with a PET substrate rather than paper, this inlay exhibits a **heightened durability** allowing it to last longer, making it the optimal inlay for retail and shipping operations.





Specifications

ELECTRICAL	Air Interface Protocol:	ISO 18000-6C
	Operating Frequency:	Global (860-960 MHz)
	IC Type:	Impinj Monza R6-P
	Memory:	EPC 128 bit, User 32 bit, TID 0 bit
	EPC Memory Content:	Not guaranteed unique
	Max Read Distance:	Testing recommended
	Applicable Surface Materials:	Glass, plastic, wood, cardboard

MECHANICAL	Tag Form Factor:	White wet inlay
	Tag Materials:	Printable white film (Thermal Transfer)
	Attachment Method:	General purpose permanent acrylic based adhesive
	Quantity per Roll:	8,000
	Core Internal Diameter:	76.2 mm (3 in)
	Roll External Diameter:	200 mm (7.874 in)
	Dimensions:	47.50 x 13.38 mm (1.870 x 0.526 in)
	Weight:	1 g

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

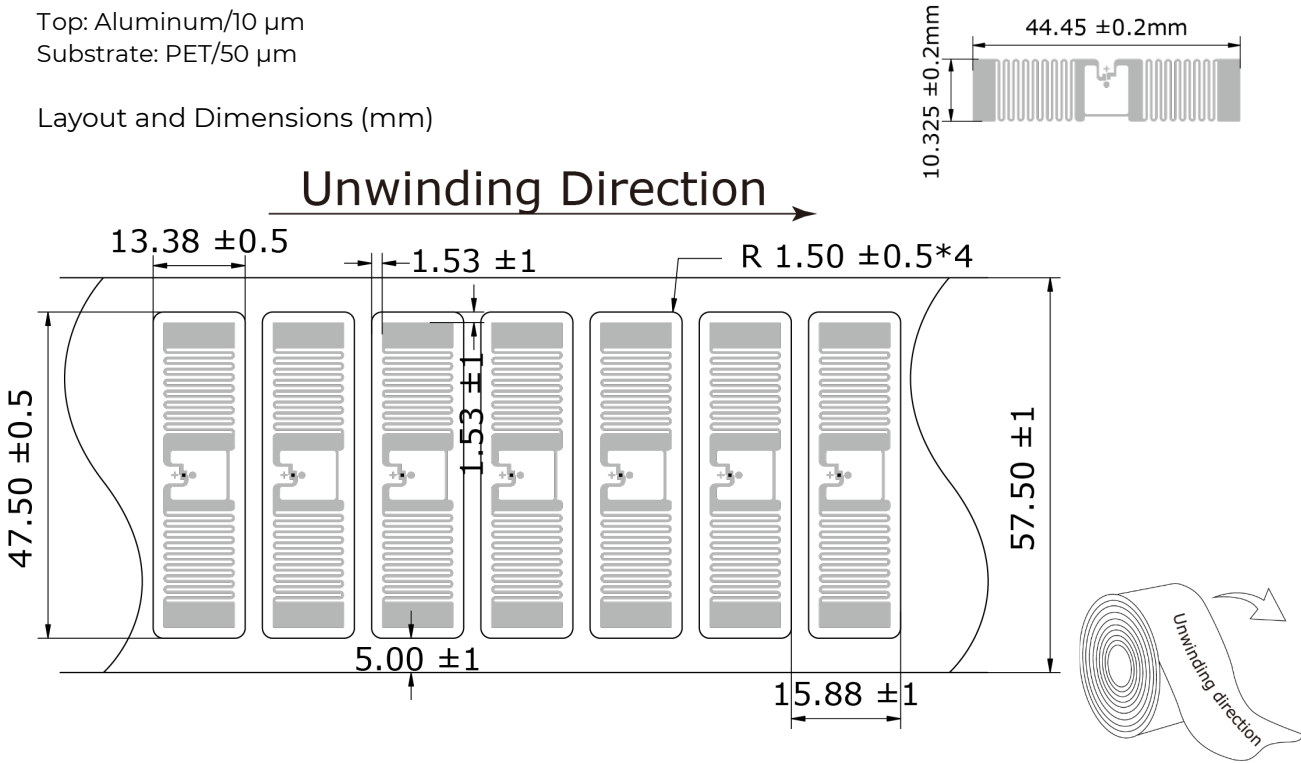


Diagrams

Antenna Design

Top: Aluminum/10 μm
Substrate: PET/50 μm

Layout and Dimensions (mm)



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

0.075		Matte White PP with adhesive(BYMC00148)
0.062	chip	Inlay
0.02		Transfer Tape(BYJC00031)
0.053		Silicon Paper(BYJC00031)

Product Variations

	IC Type & Memory	Form Factor	Product Code
Flame	Impinj Monza R6-P (EPC 128 Bit, User 32 Bit)	White Wet Inlay	VUL-FLAME-MR6P-WWINLY
	Impinj Monza 4QT (EPC 128 Bit, User 512 Bit, TID 32 Bit)	White Wet Inlay	VUL-FLAME-M4QT-WWINLY



About Vulcan RFID™ Products

Vulcan RFID™ offers a broad range of innovative RFID antennas, RFID inlays, custom RFID tags, and accessories suited for a wide variety of industries and applications. With an extensive portfolio, Vulcan RFID™ products are manufactured to withstand environments ranging from mild to extreme. All Vulcan RFID™ products are thoroughly tested and built on a name you can trust. Vulcan RFID™ products enable you to reach and sustain high levels of performance with your UHF or NFC frequency application.



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

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