



Product Family | Global UHF RFID Inlay (860 - 960 MHz)
Product Code | VUL-FLAME-M4QT-WWINLY

FLAME

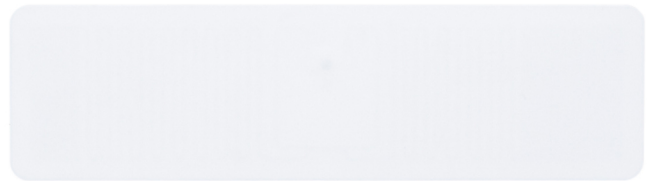
WHITE WET INLAY

The Vulcan RFID™ Flame UHF RFID White Wet Inlay is equipped with the high-performance and reliable Monza 4QT integrated circuit designed to meet the needs of challenging RFID tagging applications.

Combined with a small form factor and a **high user memory** of 512 bit 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.





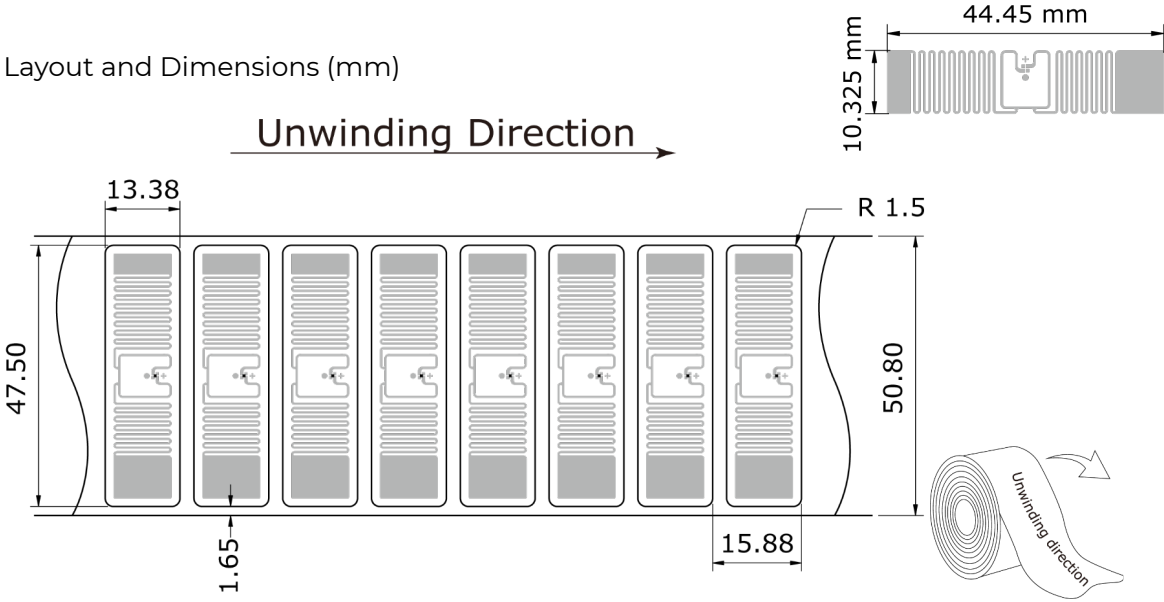
Specifications

ELECTRICAL	Air Interface Protocol:	ISO 18000-6C
	Operating Frequency:	Global (860-960 MHz)
	IC Type:	Impinj Monza 4QT
	Memory:	EPC 128 bit, User 512 bit, TID 32 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:	10,000
	Core Internal Diameter:	152.4 mm (6 in)
	Roll External Diameter:	309.9 mm (12.20 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

Layout and Dimensions (mm)



Construction (Reference thickness: mm)

0.05		Matte White PET with adhesive(MZ0097)
0.063	chip	Inlay
0.019		Transfer Tape(UE/RC18/28/U1)
0.073		Silicon Paper(UE/RC18/28/U1)

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.



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