



LIGHTNING

WHITE WET INLAY

The Vulcan RFID™ Lightning UHF RFID White Wet Inlay is outfitted with the innovative and highly efficient Impinj M730 IC.

The Vulcan RFID™ Lightning is suited for worldwide retail, industry, and supply chain, helping to **speed up warehouse operations** such as receiving, checking, and dispatch.

Smaller in width compared to the Vulcan RFID™ Fire, the Vulcan RFID™ Lightning also offers **128 bits of EPC memory**, enabling enhanced read sensitivity.

These tags perform well on **low-detuning materials** such as cardboard, wood, PVC, and plastic.

The Vulcan RFID™ Lightning is great for a variety of applications including but not limited to:

- Corrugated Cases
- Race Timing
- Cardboard Boxes
- Worldwide Retail
- Asset Management



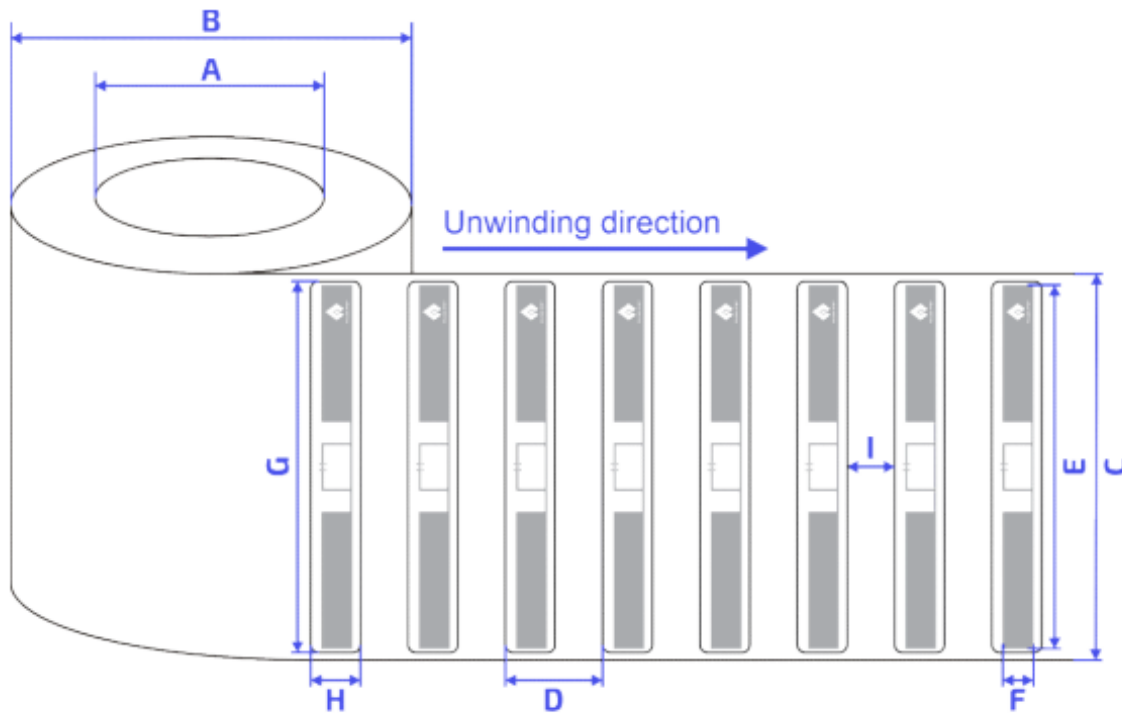


Specifications

ELECTRICAL	Operating Frequency:	Global (860-960 MHz)
	Air Interface Protocol:	UHF ISO-18000-6C
	IC Type:	Impinj M730
	Memory:	EPC 128 Bits, User 0 Bits, TID 96 Bits
	EPC Memory Content:	Sequential, Not Guaranteed Unique
	Max Read Distance:	Testing Recommended
	Applicable Surface Materials:	Wood, Plastic, PVC, Cardboard
MECHANICAL	Tag Form Factor:	White Wet Inlay
	Tag Materials:	Printable White Paper (Thermal Transfer)
	Recommended Ribbon:	Wax Resin Ribbon
	Attachment Method:	General Purpose Permanent Adhesive
	Dimensions:	97 x 13 mm (3.819 x 0.51 in)
	Weight:	1 g (0.002 lbs)
	Core ID:	76.2 mm (3 in)
	External Roll Diameter:	203.2 mm (8 in)
	Quantity per Roll:	5,000 Labels
	Pitch:	25.4 mm (1 in)
ENVIRONMENT	Operating Temperature:	-40° to +85°C (-40° to +185°F)

Diagrams

Layout and Dimensions



Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	76,2	2	3,00
B	Roll max outer diameter (\leq)	203,2	5	8,00
C	Web width	101	2	3,98
D	Pitch length per piece (MD)	25,4	2	1,00
E	Antenna width	95	0,2	3,74
F	Antenna height	8	0,5	0,31
G	Die-cut width	97	1	3,82
H	Die-cut height	13	2	0,51
I	GAP	12,4	2	0,49
	Register Mark	NA*	NA*	NA*

* Not applicable.



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



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.

[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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