



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





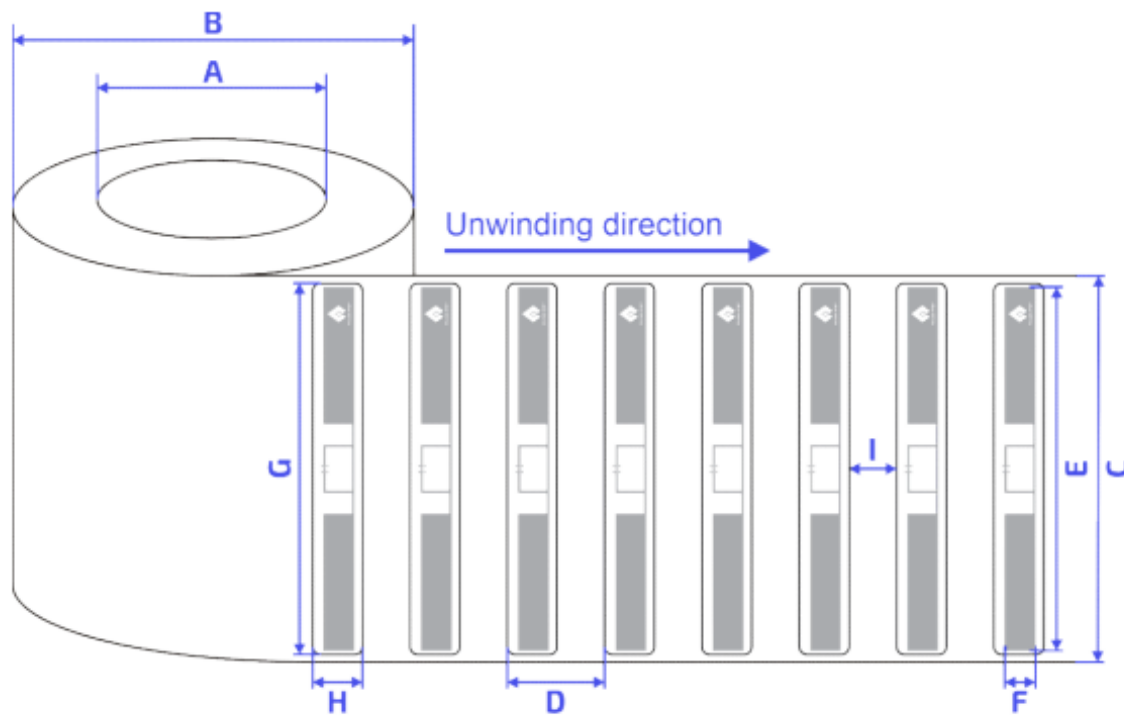
Specifications

| | | |
|-------------|-------------------------------|--|
| 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: | 45 - 50 ft on Cardboard |
| | Applicable Surface Materials: | Wood, Plastic, Cardboard, PVC |
| | | |
| | | |
| MECHANICAL | Tag Form Factor: | White Wet Inlay |
| | Tag Materials: | Printable White Paper (Thermal Transfer) |
| | Recommended Ribbon: | Wax Resin Ribbon |
| | Attachment Method: | Permanent Acrylic-Based 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) |
| | | |
| | | |
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| | | |



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

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.

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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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