



Product Family | NFC RFID Label (13.56 MHz)  
Product Code | VUL-CINDER-NTAG213-LBLPET

# CINDER

## NFC LABEL

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The Vulcan RFID Cinder NFC Label is an NFC (Near Field Communication) tag used for the close range identification of various electronics and apparel.

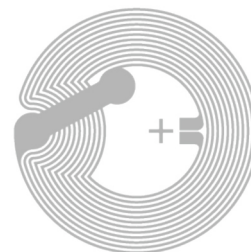
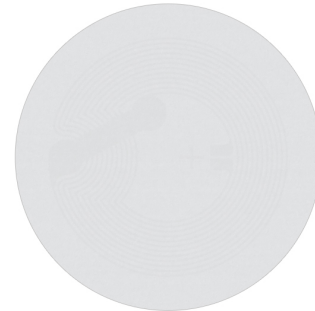
With the Vulcan RFID Cinder, NFC-enabled smartphones can act as the RFID reader.

Embedding the Vulcan RFID Cinder in posters, signs, menus, labels, and business cards enables the immediate launch of smartphone applications or social media websites when read by a smartphone.

The Vulcan RFID Cinder carries significantly **more data** than barcodes and QR codes and can be **password protected** unlike the printed alternatives.

The Vulcan RFID Cinder is great for tagging many assets and materials in a variety of applications, including but not limited to:

- User Experience
- Product Identification
- Marketing
- Brand Protection





# Specifications

|            |                               |                           |
|------------|-------------------------------|---------------------------|
| ELECTRICAL | Operating Frequency:          | 13.56 MHz                 |
|            | Air Interface Protocol:       | ISO/IEC 14443A            |
|            | IC Type:                      | NXP NTAG213               |
|            | Memory:                       | User 144 Bytes            |
|            | EPC Memory Content:           | Unique, Auto-Serialized   |
|            | Max Read Distance:            | Testing Recommended       |
|            | Applicable Surface Materials: | Plastic, Cardboard, Glass |
|            |                               |                           |

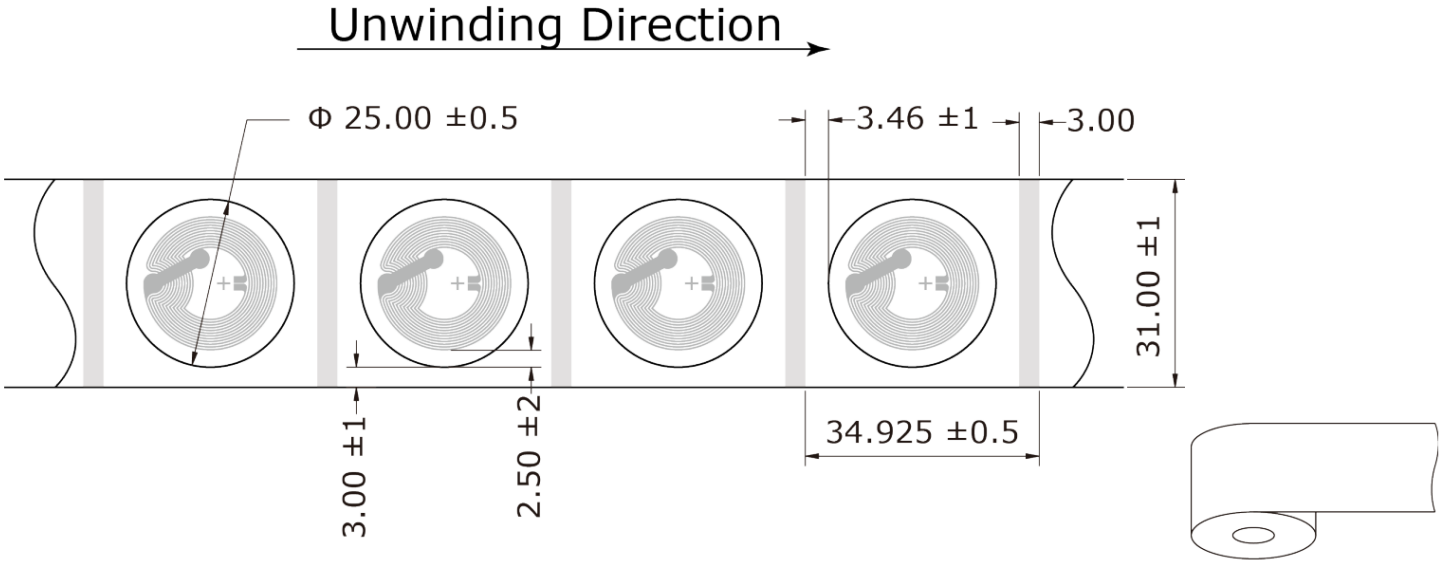
|                    |                         |                                   |
|--------------------|-------------------------|-----------------------------------|
| MECHANICAL         | Tag Form Factor:        | Label                             |
|                    | Tag Materials:          | Matte White PET                   |
|                    | Recommended Ribbon:     | Resin Ribbon                      |
|                    | Attachment Method:      | Permanent Acrylic Based Adhesive  |
|                    | Dimensions:             | Ø 25 x 0.2 mm (Ø 0.98 x 0.008 in) |
|                    | Weight:                 | 1 g (0.002 lbs)                   |
|                    | Core ID:                | 76.2 mm (3 in)                    |
|                    | External Roll Diameter: | 160 mm (6.30 in)                  |
| Quantity Per Roll: | 2,000 Labels            |                                   |
|                    |                         |                                   |

|             |                        |                                |
|-------------|------------------------|--------------------------------|
| ENVIRONMENT | Operating Temperature: | -25° to +70°C (-13° to +158°F) |
|             |                        |                                |
|             |                        |                                |
|             |                        |                                |
|             |                        |                                |



**Diagrams**

Layout and Dimensions (mm)



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

|       |      |  |
|-------|------|--|
| 0.05  |      | Matte White PET with adhesive(BYMC00042) |
| 0.087 |      | Inlay                                    |
| 0.02  | chip | Transfer Tape(BYJC00063)                 |
| 0.053 |      | Silicon Paper(BYJC00063)                 |

**Product Parameter**

| Parameters | Characteristics  |
|------------|--|
| Tail       | 1 m leading silicon paper at the beginning and the end of roll |
| Defectives | NA.  |
| Yield      | ≥ 99 %   |
|            |  |



# 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.

[Shop Now](#)



## 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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