



4" x 2" | 4" x 6" RFID LABELS

FOR INDUSTRIAL RFID PRINTERS

The Vulcan RFID 4" x 2" | 4" x 6" RFID Labels are blank, printable UHF RFID labels designed for use with industrial RFID printers. Both sizes are built on **smooth thermal transfer paper** stock with a permanent acrylic adhesive for reliable adhesion across common packaging surfaces.

Supplied blank for **on-demand printing**, these labels are a natural fit for operations that print and apply labels in-house. Each label is built around a **high-performing Impinj M830 IC** for consistent read performance across global UHF RFID deployments.

Both sizes use a **76.2 mm (3 in) core** and comply with **EPCglobal Gen2v2** and **ISO/IEC 18000-6C** standards, ensuring broad compatibility with UHF RFID readers and systems across industries.

These labels are ideal for a variety of applications including but not limited to:

- Corrugated Cases
- Pallet Placard Labels
- Cardboard Boxes
- Asset Management





Specifications

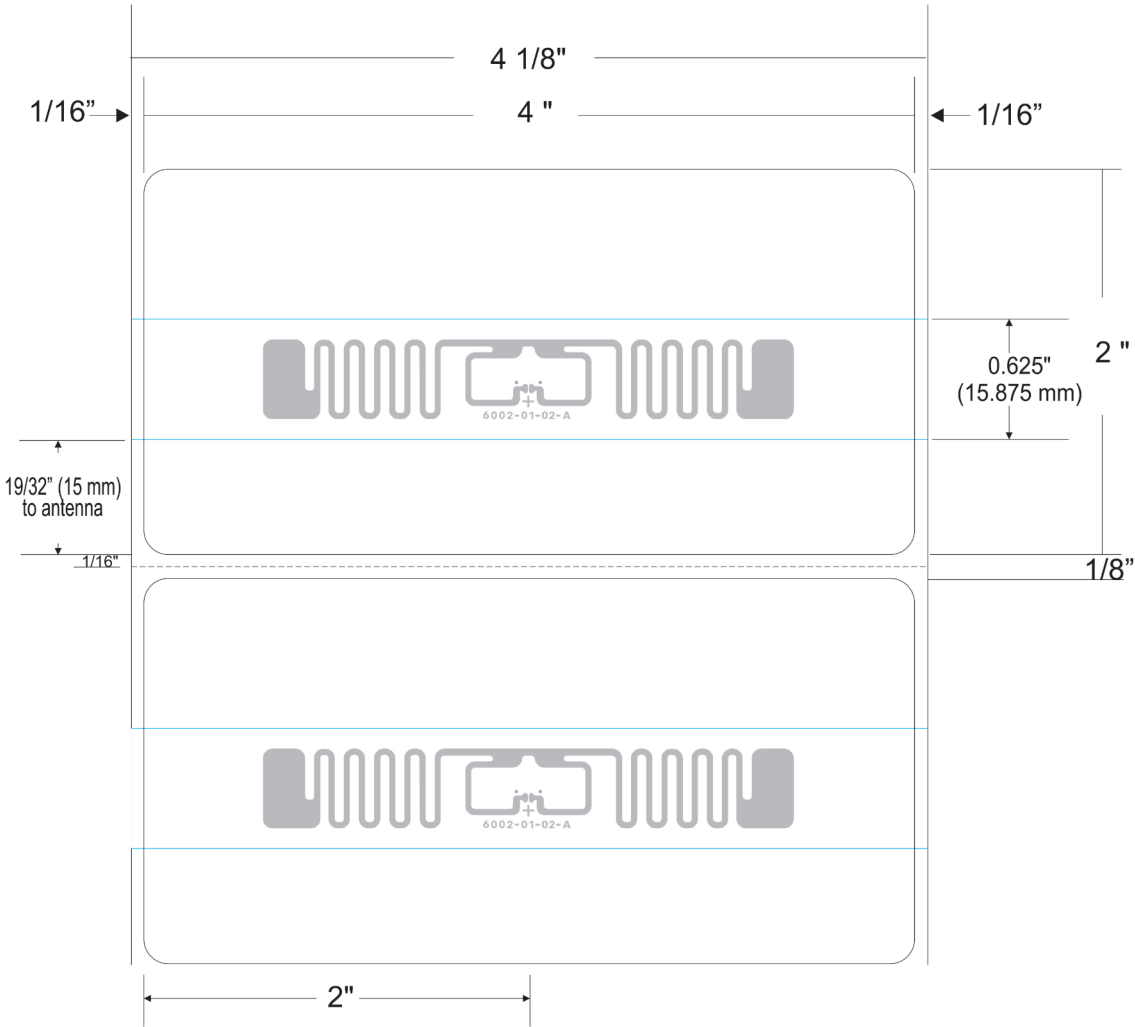
ELECTRICAL	Operating Frequency:	Global (860-960 MHz)
	Air Interface Protocol:	UHF ISO-18000-6C, EPC Class 1, Gen 2
	IC Type:	Impinj M830
	Memory:	EPC 128 Bits, User 0 Bits, TID 96 Bits
	EPC Memory Content:	Unique, Auto-Serialized
	Max Read Distance:	Testing Recommended
	Applicable Surface Materials:	Wood, Plastic, Glass, Cardboard
MECHANICAL	Tag Form Factor:	Label Tag
	Tag Materials:	Printable White Paper (Thermal Transfer)
	Recommended Ribbon:	Wax or Wax-Resin
	Attachment Method:	Permanent Acrylic-Based Adhesive
	Dimensions:	101.6 x 50.8 mm (4 x 2 in) 101.6 x 152.4 mm (4 x 6 in)
	Weight:	1 g (0.002 lbs)
	Sensing Type:	Gap
	Core ID:	76.2 mm (3 in)
	Quantity Per Roll:	(4 x 2 in): 2,000 Labels (4 x 6 in): 1,000 Labels
	Repeat:	(4 x 2 in): 54 mm (2.125 in) (4 x 6 in): 155.6 mm (6.125 in)
	RFID Inlay Placement:	(4 x 2 in): 15 mm (0.59 in) From Bottom of Label (4 x 6 in): 15 mm (0.59 in) From Bottom of Label
Inlay Tolerance:	± 2.4 mm (0.094 in)	
ENVIRONMENT	Operating Temperature:	-40° to +85°C (-40° to +185°F)
	Minimum Application Temperature:	-4°C (+25°F)
	Service Temperature:	-18° to +82°C (0° to +180°F)
	Optimal Storage Conditions:	+22°C (+72°F) at 50% RH



VULCAN RFID™

Diagrams

Layout and Dimensions (4 x 2 in)



LABELS PER ROLL: 2000
 ACTUAL FT PER ROLL : 355 FT.
 SIZE OF ROLL: 7.1"
 CORNER RADII: 1/8"

TOLERANCES: ± 1/32"
 NOTE: DRAWING NOT TO SCALE
 Match Color Standard: YES NO

LEGEND

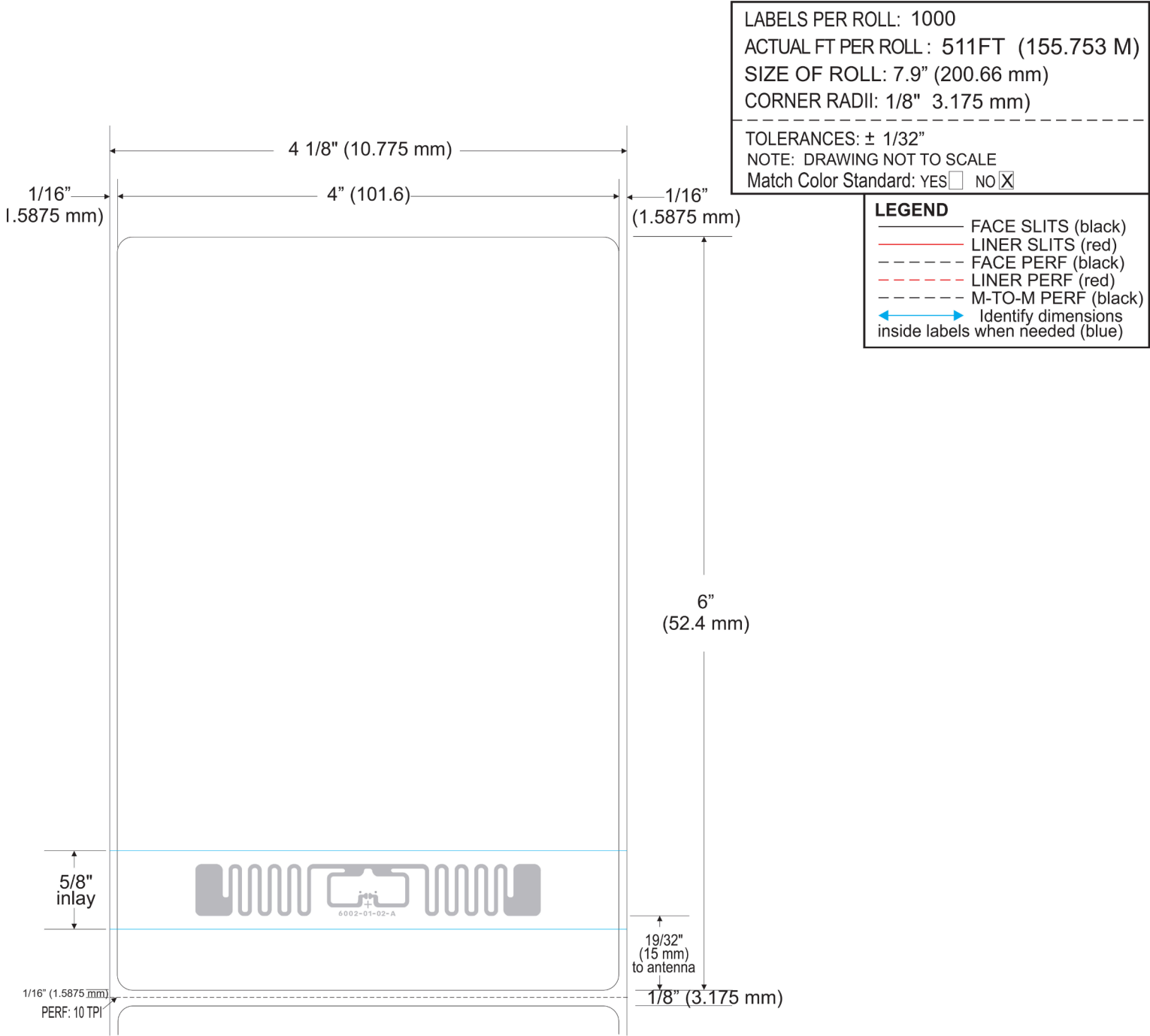
- FACE SLITS (black)
- LINER SLITS (red)
- - - - FACE PERF (black)
- - - - LINER PERF (red)
- - - - M-TO-M PERF (black)
- ← → Identify dimensions inside labels when needed (blue)



VULCAN RFID™

Diagrams

Layout and Dimensions (4 x 6 in)





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.

[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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