



Product Overview

Orange UHF RFID Nail Tag is a high-performance **EPC Gen2v2 RFID tag** designed for asset tracking, logistics, warehouse management, supply chain, and other non-metal applications. It is a **cost-effective and budget-friendly solution**, specifically designed for installation in wood, trees, pallets, and other non-metallic surfaces, delivering reliable long-range RFID performance.

Physical Specifications

Item	Specification
Label Size	75 x 20 x 5 mm
Face Material	Acrylic
Adhesive	-
Liner	-
Thickness	5 mm
Color	WHITE
Printing	THERMAL / IIJ

PRODUCT IMAGE



FRONT VIEW (WITH RFID LABEL PASTED)



BACK VIEW

Environmental Characteristics

Item	Value
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	5–95% RH
IP Rating	IP67

ISOMETRIC VIEW



Metal Asset Tracking



Industrial Equipment Identification



Fence / Outdoor Asset Identification

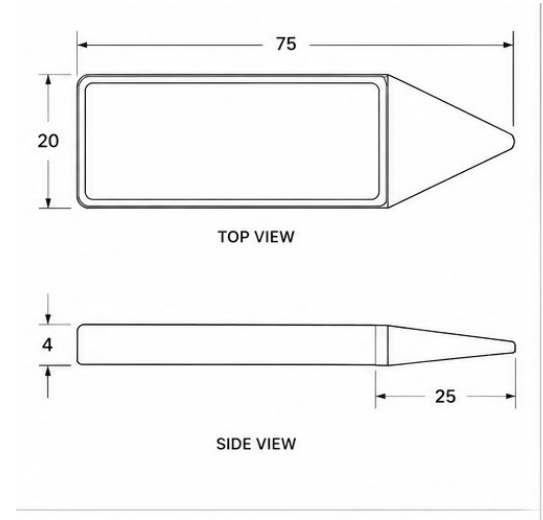


Warehouse Rack Tracking

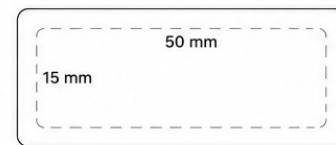


Technical Specifications

Item	Specification
Frequency	860–960 MHz
RFID Protocol	EPC Class 1 Gen2v2
Standard	ISO/IEC 18000-63
Chip	IMPINJ M7/ NXP ucode 8/ Higgs9
EPC Memory	96–496 bits
User Memory	According to chip
TID Memory	According to chip
Read Range	Up to 12 m (reader dependent)
IC Retention	50 Years
Write Cycles	100,000

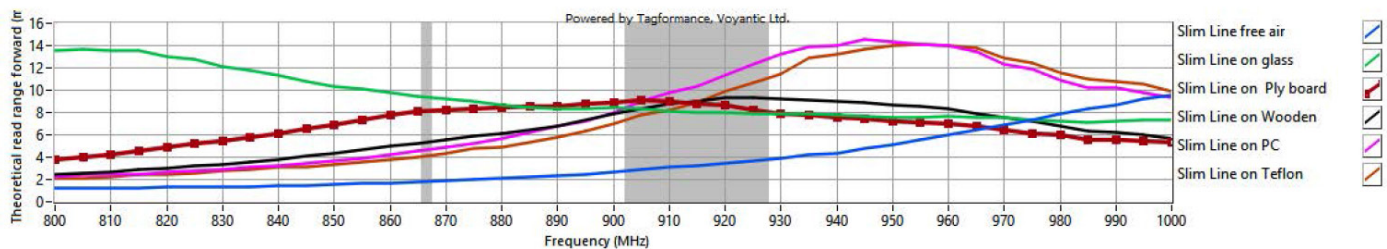


LABEL PASTING AREA



(LABEL WILL BE PASTED ON THIS AREA)

Radiation Pattern:-



Packaging

Item	Specification
Tag/Roll	100 Tag /PKT
Carton Qty	Custom

HOW TO USE (INSERTATION)



Insert the sharp cone part into the drilled hole or slot for secure mounting.