

Product Overview

The Orange RFID UHF LED Label is an intelligent passive RFID label featuring an integrated LED indicator. When energized by a compatible UHF RFID reader, the LED flashes instantly, providing visual confirmation of the tag that has been successfully read.

Designed for high-value asset management, warehouse operations, logistics, healthcare, retail, and industrial automation, the LED label enables quick and accurate item identification while reducing search time and human errors.

- Instantly identifies the correct tagged item
- Eliminates confusion during bulk inventory
- Reduces picking errors
- Easy integration with existing UHF RFID systems



Physical Specifications

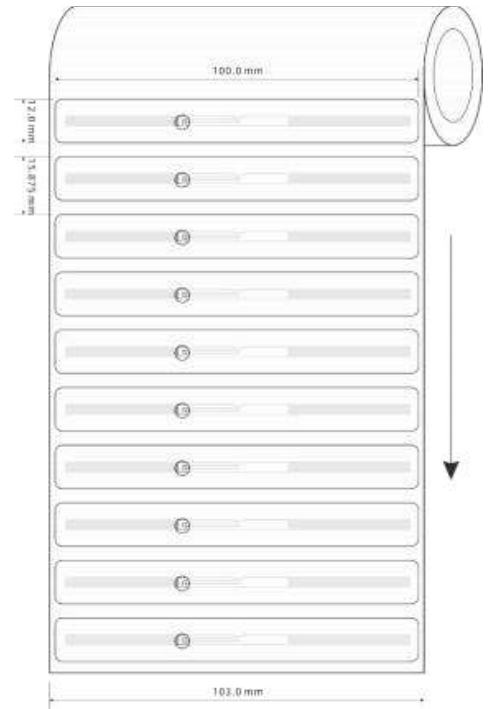
Item	Specification
Label Size	100x12 mm
Inlay Size	95 x 3 mm
LED Color	Green
Face Material	White PET
Adhesive	Acrylic
Liner	Silicon based
Thickness	0.50 micron
Color	WHITE
Printing	THERMAL /IIJ



 Inventory Management Quick visual confirmation of tag read	 Asset Tracking High-value asset identification	 Smart Logistics Efficient sorting & verification	 Retail & Supply Chain Improved operational accuracy	 IT Asset Management Track critical equipment with visual read
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Technical Specifications

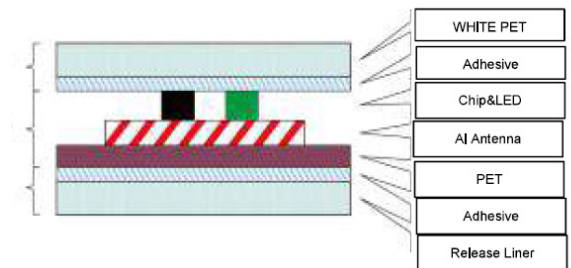
Item	Specification
Frequency	860–960 MHz
RFID Protocol	EPC Class 1 Gen2v2
Standard	ISO/IEC 18000-63
Chip	Kiloway KX2005XBL
EPC Memory	160 bits
User Memory	1312 bits
TID Memory	96 bits
Read Range	Up to 12 m (reader dependent)
IC Retention	50 Years
Write Cycles	100,000



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

Tag Layers-



Packaging

Item	Specification
Tag/Roll	1000 Tag /Roll
Carton Qty	Custom
Standard Core	76.2 mm
Roll Dimeter	upto 250mm

