PID-RTI Label

The PID-RTI Label is a wide band high-performance Tag EPC CLASS 1 GEN 2 tag, It provides best-in-class performance for race timing, pallet tracking, asset management and RTI applications.

It performs well on various non-metallic objects including plastic, cardboard cases, and glass surfaces making it ideal for multiple industrial applications.

Applications

- Asset Management
- Retail Management
- Warehouse Management

Order Information

Part Number	IC Type	Memory Configuration
RFL -170201-GLOBAL	Impinj M730	EPC Memory - 128 bits
RFL -050301-GLOBAL	Impinj Monza R6P	EPC Memory - 128 bits / 96 bits USER Memory - 32bits / 64 bits
RFST -050501-GLOBAL	NXP Ucode9	EPC Memory - 96 bits

Electrical Specifications

Operational Frequency	FCC: 902-928MHz ETSI: 865- 868 MHz
Interface Protocol	ISO 18000-63 and EPCglobal Gen2v2
Chip Type*	Impinj Monza R6P
Memory Configuration	EPC Memory - 128 bits / 96 bits USER Memory - 32bits / 64 bits
Date Retention	50 Years
Write Cycle Endurance	100,000 cycles
Read Range**	upto 15 Meter

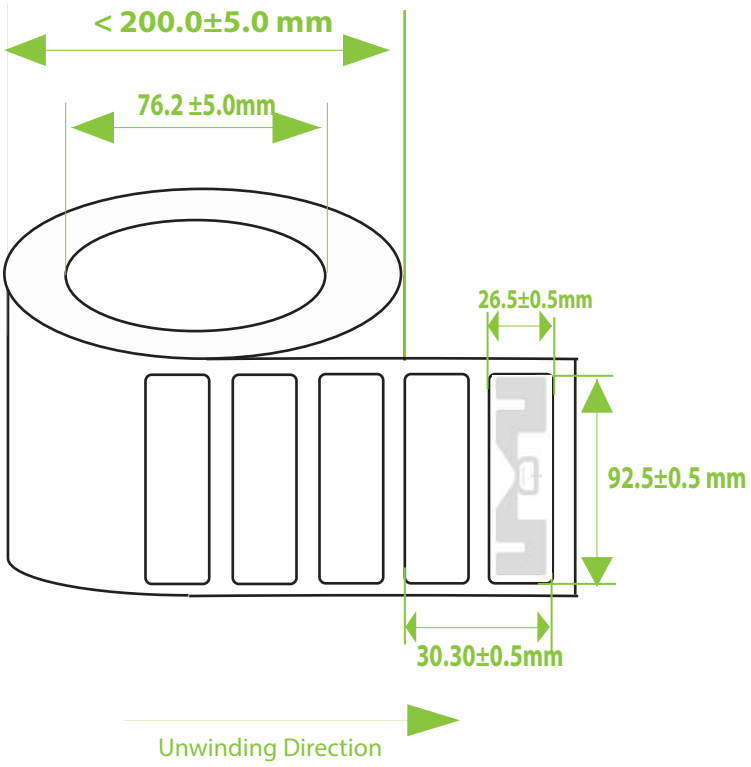
Characteristics

Die Cut Size	92.5 X 26.5 mm / 3.64 X 1.04 in
Antenna Size	90.0 X 24.0 mm / 3.54 X 0.94 in
Front Face Material	Printable Polyester
Packaging	Reel core inner dimension: 76.2mm/ 3" , 2000pcs/roll
Adhesive	High performance adhesive specially for low surface energy plastics.
Yield	100 %

Environmental Specifications

Operating Temperature	-30 to +80 °C
Storage Temperature	-30 to +80 °C
IP Rating	IP68
Water Resistance	Good, Tested 5 hour in 1m deep water
Chemical Resistance	No physical or performance changes in : -168h Motor Oil Exposure -168h Salt water (salinity10%) Exposure -168h Sulfuric Acid (10%, pH2) Exposure -24h NaOH (10%, pH13) Exposure -20min Acetone Exposure

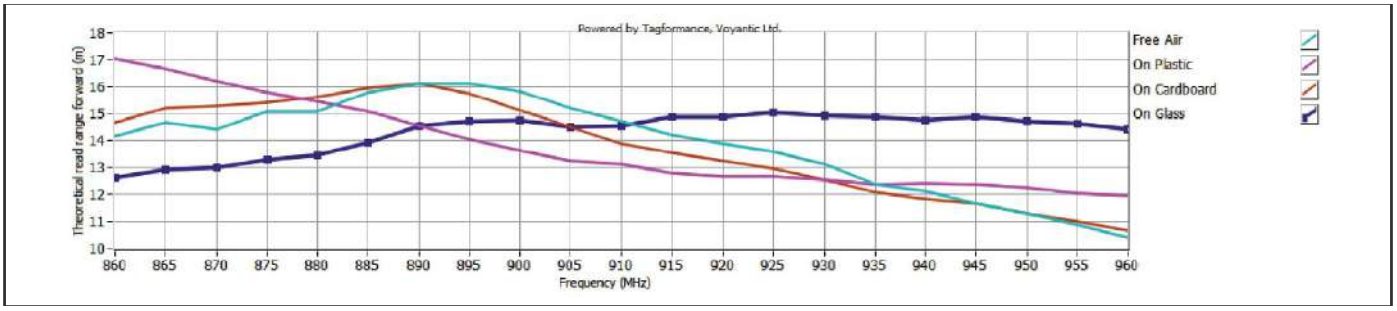
Drawing of Product



Personalization

- Customer specific encoding of EPC
- Customised printing of logo, text, barcode etc

READ RANGE GRAPH



PID RTI - RF performance(R6P)

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.