

## PID-Pearl

The PID- Pearl is a wideband EPC Class 1 Gen 2 tag that fulfils the need for best item level identification. PID-Pearl provides excellent performance in **jewellery management** and small-sized asset tracking and helps improve in-store product visibility. Taking inventory daily basis could be time-consuming and sometimes inaccurate when done manually. This can be done in a matter of seconds using an RFID Jewellery Tag with precision and without needing a line of sight. The tag is lightweight, non-obstructive, and can be applied with ease.



### Order Information

Part Number	IC Type	Memory Configuration
RFST- 180301 - GLOBAL	IMPINJ MONZA R6P	EPC Memory – 96/128 bits
RFST-180201-GLOBAL	IMPINJ M730	EPC Memory - 128 bits

### Applications



Asset Tracking



Retail Applications



Jewellery Management



## Electrical Specifications

<b>Operational Frequency</b>	FCC: 902-928MHz ETSI: 865- 868 MHz
<b>Interface Protocol</b>	ISO 18000-63 and EPCglobal Gen2
<b>Chip Type*</b>	IMPINJ MONZA R6P
<b>Memory Configuration</b>	EPC Memory – 96 bits
<b>Data Retention</b>	50 Years
<b>Write Cycle Endurance</b>	100,000 cycles

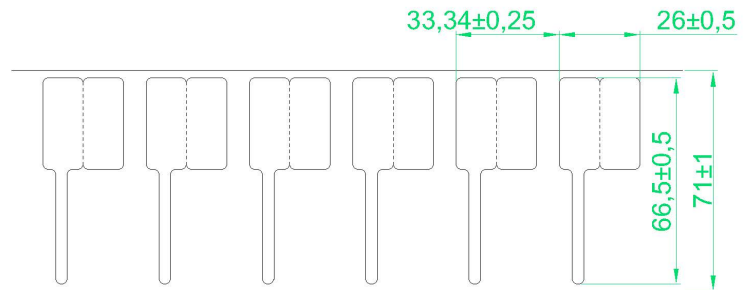
## Product Characteristics

<b>Die Cut Size</b>	66.50 ±0.5 X 26.0 ±0.5 mm/2.62 X 1.02 in
<b>Antenna Size</b>	47.0 X 8.0 mm / 1.85 X 0.31 in
<b>Front material</b>	Polyester
<b>Packaging</b>	Reel core inner dimension: 76.2mm/ 3", 5000pcs/roll
<b>Yield</b>	> 99 %
<b>Attachment</b>	Adhesive

## Environmental Specifications

<b>Operating Temperature</b>	-30 to +80 °C
<b>Storage Temperature</b>	-30 to +80 °C
<b>IP Rating</b>	IP67

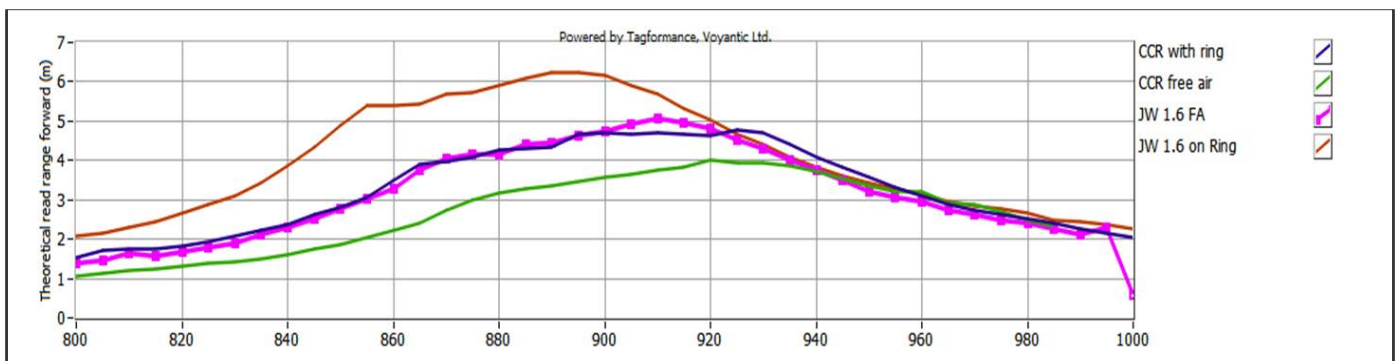
## Product Drawing



## Personalization

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

## Read Range Graph



PID PEARL - 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.