

# RTI MANAGEMENT LABELS RE-LOAD PRO 7320 DUO FRE



Dual frequency RTI label providing the long-range UHF functionality alongside NFC interface for customer engagement. Shared memory between both UHF & NFC makes data handling effortless. High temperature chemical washing resistant.

## PHYSICAL SPECIFICATION

### Face Stock

Printable white PET, resin ribbon is recommended

### Label Sizes

73 x 20 x 0.2 mm | 2.87" x 0.78" x 0.01"

### Adhesive

High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics

### Delivery Format

2000 pcs on reel

### Label Pitch

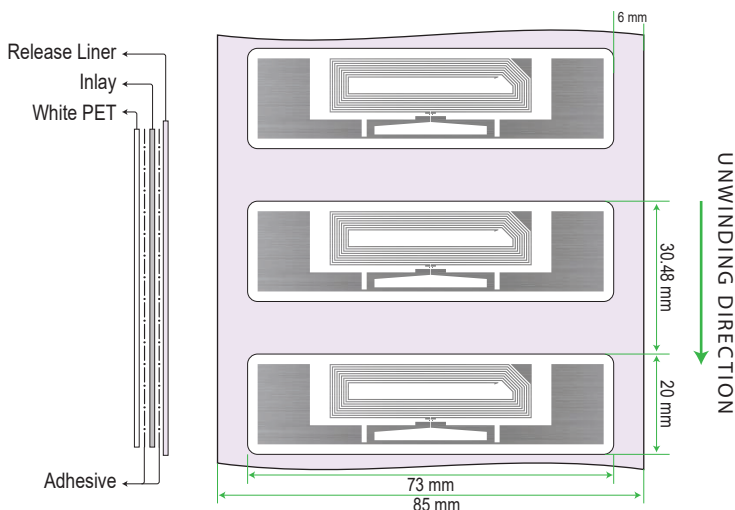
30.48 mm / 1.2"

### Core Inner Diameter

76 mm / 3"

### Weight

0.378 g



## RF SPECIFICATION

### Air interface protocol

UHF: ISO/IEC 18000-63 | HF: ISO/IEC 15693 and 18000-3

### Operational frequency

UHF: Global 865-928MHz | HF: 13.56MHz

### IC type\*

EM4425

### Memory configuration

Configurable 2048-bit memory used for:  
(UHF:96-bit TID | HF: 64-bit UID)

- HF USER memory
- Up to 480-bit EPC/UID encodings
- UHF USER memory

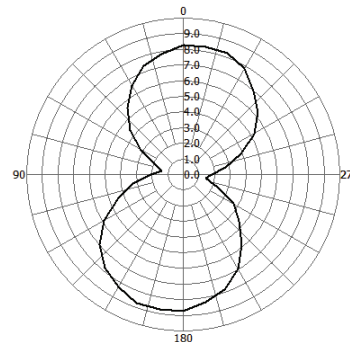
### Read range (2W ERP)\*\*

On Plastic Up to 8.5m/ 27.9ft | On Cardboard Up to 5.5m/ 18ft

### Applicable Surface Materials

Non-metallic surfaces

## RADIATION PATTERN



## ENVIRONMENTAL RESISTANCE

### Operating Temperature

-20°C to +70°C / -4°F to +158°F

### Adhesive Service Temperature

-20°C to +85°C / -4°F to +185°F

### Application Temperature

+10°C to +38°C / 50°F to +100.4°F

### IP Classification

IP68, tested for 5 hours in 1m deep water

### Washing Resistance

Tolerates industrial washing processes. Tested with water at 60° angle, 80-100 bar, at 80°C. Water flow rate 14-16 l/min.

### Chemical Resistance

No physical or performance changes in:

- 168 h Salt water (salinity 10%) exposure
- 168 h Motor oil exposure
- 24 h NaOH (10%) exposure
- 30 min Acetone exposure

### Ideal Storage Condition

+23°C / 50% RH; 1 year

### Expected Lifetime

Years in normal operating conditions

# PERSONALISATION OPTIONS

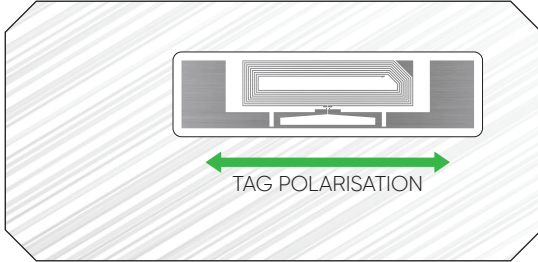
## Pre-encoding

- Customer specific encoding of EPC memory

## Customised Printing

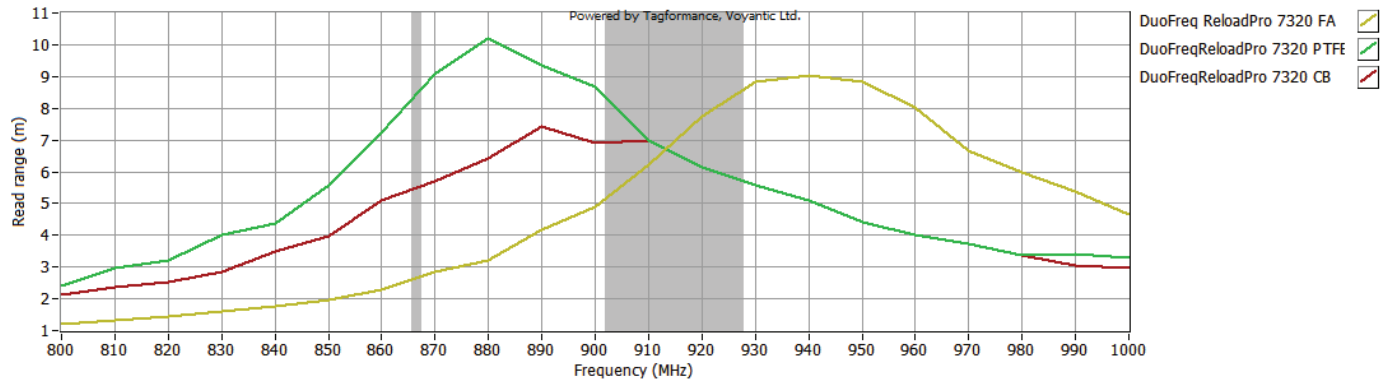
- Customer specific artwork including logo & text, numbers, barcodes etc.
- Offers optional transparent over laminate film to protect printed matter.

# PRODUCT INSTALLATION



- Ensure the application surface is not uneven and is clean and dry, to obtain maximum bond strength. If required, use approved cleaning solvents to clean surface.
- Avoid touching the backside of the label while mounting it.
- Minimum bending diameter of the label is 50mm, Do not bend the label below the limit.

# READ RANGE GRAPH



# PRINTER COMPATABILITY

Compatible for printing and encoding using 4" & 6" wide industrial grade thermal transfer UHF printers. Sensor type: Gap

As tested on Zebra ZT400 series, SATO CL4 NX series Printronix T6000 series

For setup instructions and printer configurations contact [iot-sales@sivagroup.co](mailto:iot-sales@sivagroup.co)

# ORDER INFORMATION

## Part Number

RF.RLP.7320.DF.EM

## Packaging

2000 Tags/Roll;  
4 Rolls/Carton

\* Other IC's available on request  
\*\* 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.