

# FERRO™ ON-METAL LABELS

## MoM 6024 TP ETSI/FCC



On-metal UHF Tamper Proof label offering extreme performance. Optimised to perform on metal, but works on plastic and liquid containers too. Compatible across leading industrial UHF printer brands.

## PHYSICAL SPECIFICATION

### Face Stock

Printable white PET, resin ribbon recommended

### Label Size

60 x 24 x 1.4 mm | 2.36" x 0.94" x 0.06"

### Adhesive

High performance acrylic adhesive with excellent adhesion to all surfaces

### Delivery Format

400 pcs on reel

### Label Pitch

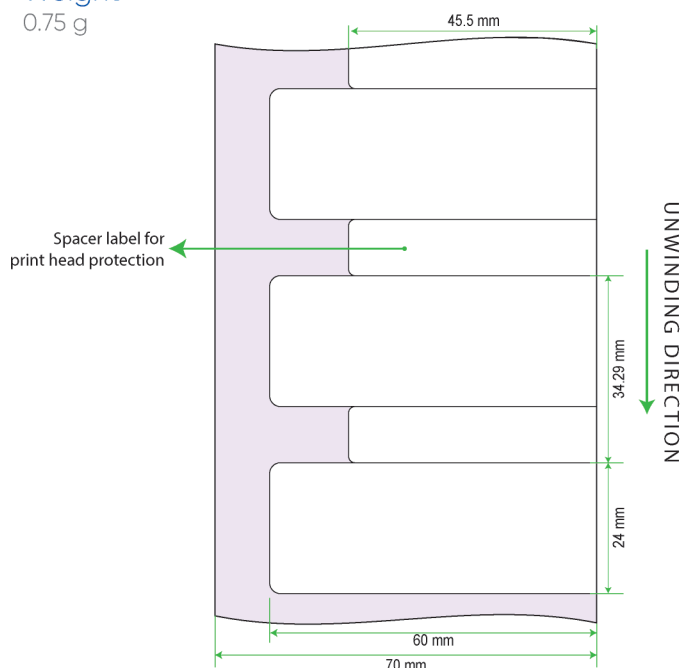
34.29 mm / 1.35"

### Core Inner Diameter

76 mm / 3"

### Weight

0.75 g



## RF SPECIFICATION

### Air interface protocol

ISO 18000-6C and EPC global Gen2v2 compliant

### Operational frequency

ETSI: 865 - 868 MHz | FCC: 902 - 928 MHz

### IC type\*

Impinj M830

### Memory configuration

EPC 128bit; TID 96bit

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

On metal up to 4.5m/ 14.76ft

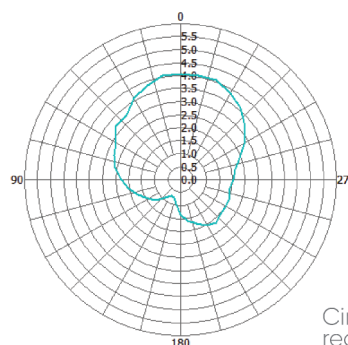
On plastic up to 1.4m/ 4.59ft

On liquid container up to 1.8m/ 5.9ft

### Applicable Surface Materials

Optimised for metal but works on other surfaces also

## RADIATION PATTERN



Circular polarised antenna recommended

## ENVIRONMENTAL RESISTANCE

### Operating Temperature

-25°C to +85°C / -13°F to +185°F

### Peak Temperature

+100°C for 10min, +80°C for 100 hrs

### Installation Temperature

+10°C to +38°C / 50°F to +100°F

### IP Classification

IP68

### Chemical Resistance

No physical or performance changes in:

- 168 h Salt water (salinity 10%) exposure
- 168 h Motor oil exposure
- 12 h NaOH (10%) exposure

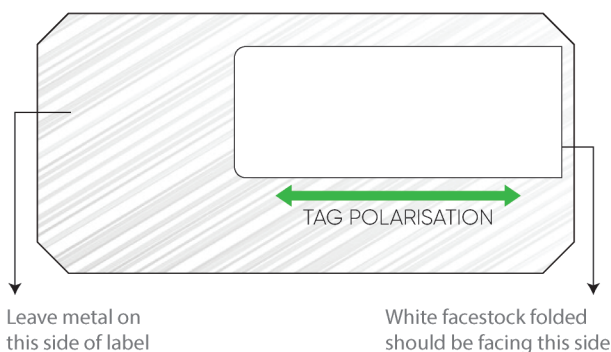
### Ideal Storage Condition

+23°C / 50% RH; 1 year

### Expected Lifetime

Years in normal operating conditions

## PRODUCT INSTALLATION



- Ensure the application surface is even and is clean & dry, to obtain maximum adhesion strength. If required, use approved cleaning solvents to clean surface.
- Avoid touching the background adhesive of the label during installation.
- Please ensure to peel off the adjacent spacer labels first before peeling off the main RFID label.
- MoM 6024 TP can be applied on a curved surface too. Smallest recommended bending diameter is 100mm. For optimal performance bend & apply the label as shown below:



## PERSONALISATION OPTIONS

### Pre-encoding

- Customer specific encoding of EPC memory

### Customised Printing

- Customer specific artwork including logo & text, numbers, barcodes etc.

## PRINTER COMPATABILITY

Successfully tested for printing & encoding on the following printers models.

- Zebra ZT411 On-Metal
- SATO CL4 NX Plus
- Printronix T6000e series

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

For compatability info with other printer models contact [iotsales@sivagroup.co](mailto:iotsales@sivagroup.co)

## ORDER INFORMATION

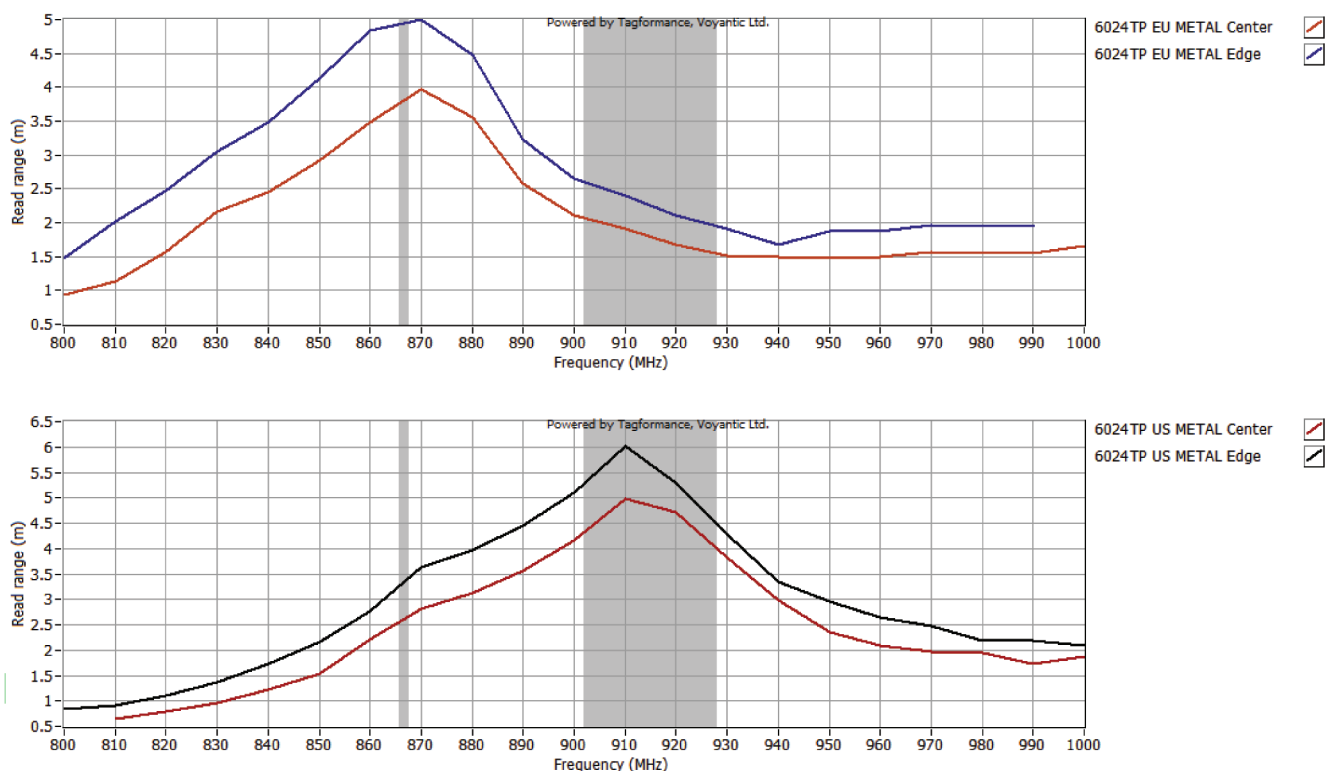
### Part Number

RF.LM.6024.TP.M830

### Packaging

400 Tags/Roll;  
5 Rolls/Cartron

## READ RANGE GRAPH



\* 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.