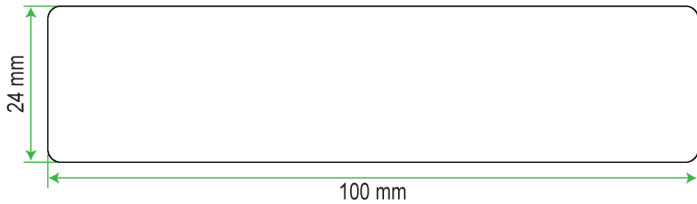# FERRO™ ON-METAL LABELS
MoM 10024 ETSI/FCC (PRELIMINARY DATASHEET)

SIVA IoT

Slim form factor all-surface UHF label. Performs on metal as well as on plastic & liquid containers. Compatible across leading industrial UHF printer brands.

PHYSICAL SPECIFICATION

Face Stock
Printable white film, Resin ribbon is recommended

Label Size
100 x 24 x 1.4 mm | 3.94" x 0.94" x 0.06"

Adhesive
High performance acrylic adhesive with excellent adhesion to all surfaces
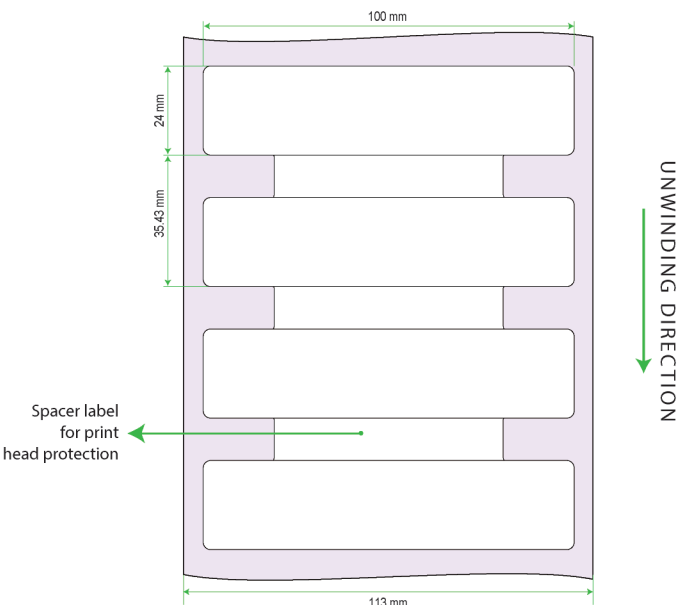
Delivery Format
400 pcs on reel

Label Pitch
35.43 mm / 1.39"

Core Inner Diameter
76 mm / 3"

Weight
0.84 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 3m/ 9.84ft
On plastic up to 2.5m/ 8.2ft
On liquid container up to 2.5m/ 8.5ft

Applicable Surface Materials
All surfaces

ENVIRONMENTAL RESISTANCE

Operating Temperature
-25°C to +85°C / -13°F to +185°F

Peak Temperature
+100°C for 1 hr, +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
- 2 h NaOH (10%) exposure

Ideal Storage Condition
+23°C / 50% RH; 1 year

Expected Lifetime
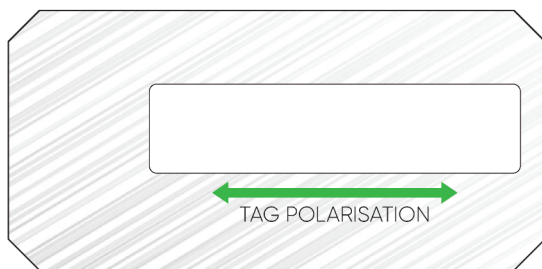Years in normal operating conditions

PERSONALISATION OPTIONS

Pre-encoding
● Customer specific encoding of EPC memory

Customised Printing
● Customer specific artwork including logo & text, numbers, barcodes etc.

24 mm
100 mm

100 mm
24 mm
35.43 mm
UNWINDING DIRECTION
Spacer label for print head protection
113 mm

PRODUCT INSTALLATION

TAG POLARISATION

- 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.
- MoM 10024 can be applied on a curved surface too. Smallest recommended bending diameter is 100mm. For optimal performance bend & apply the label as shown below:

SIVA
IoT
MoM 10024

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

For compatability info with other printer models contact iotsales@sivagroup.co
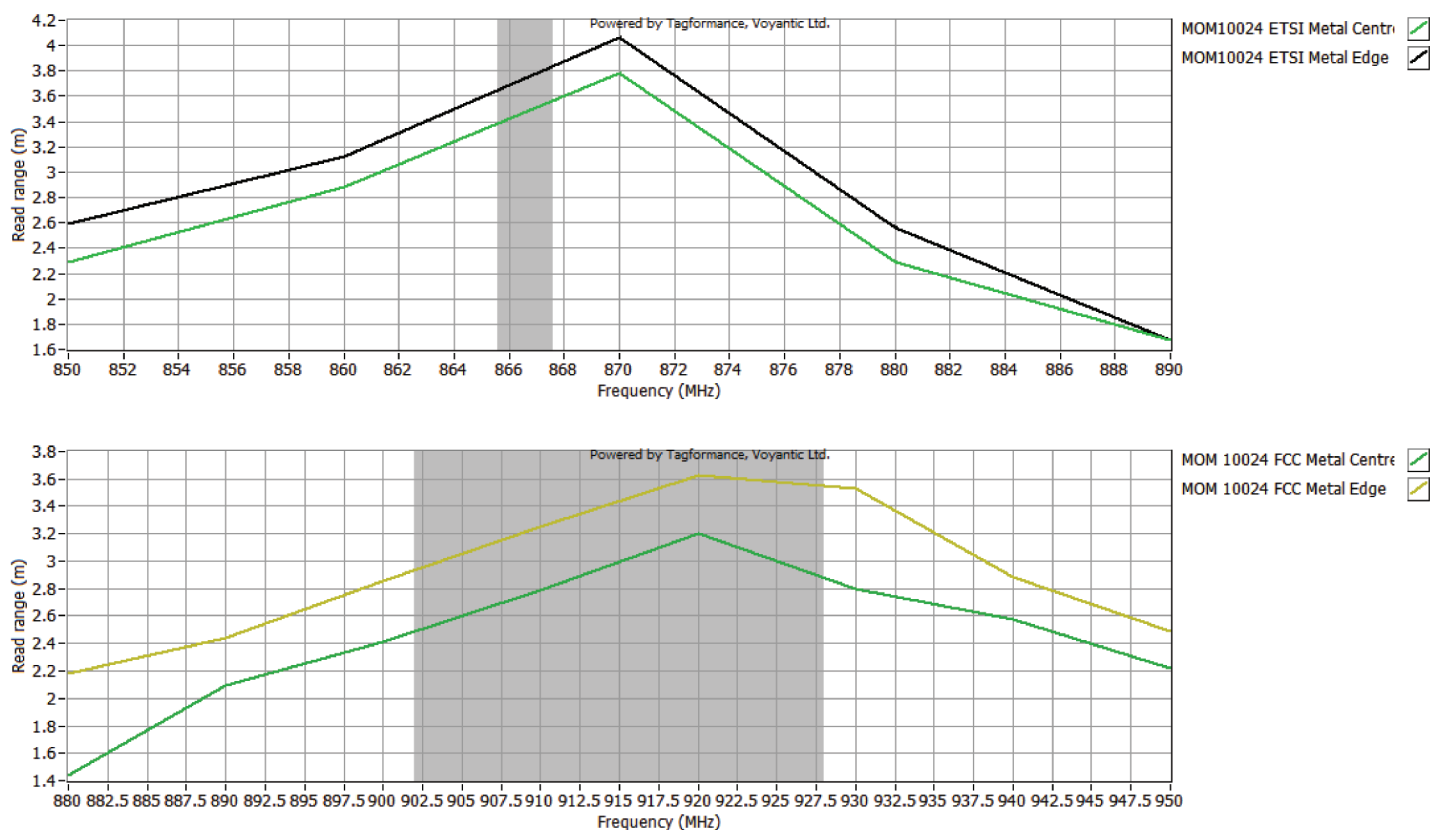
ORDER INFORMATION

Part Number
ETSI: RF.LM.10024.E.M830 | FCC: RF.LM.10024.F.M830

Packaging
400 Tags/Roll;
5 Rolls/Carton

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.