FERRO™ ON-METAL LABELS

MoM 8035 Xtreme ETSI



On-metal UHF 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 Material
Printable white PET film

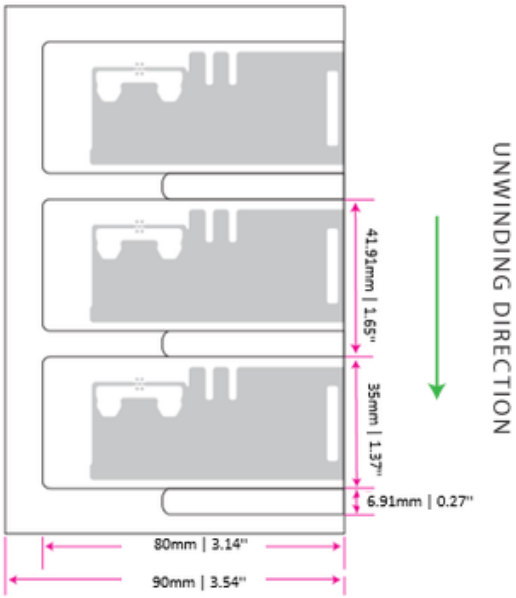
Label Size
80 x 35 x 2 mm | 3.14" x 1.37" x 0.07"

Adhesive
High performance adhesive with excellent adhesion to all surfaces

Delivery Format
250 pcs on reel (100% performance checked)

Label Pitch
41.91 mm | 1.65"

Core Inner Diameter
76 mm / 3"



RF SPECIFICATION

Air interface protocol
ISO 18000-6C and EPC Global Gen2v2 complaint | Rain RFID

Operational frequency
ETSI: 865-868 MHz

IC
NXP UCODE X

Memory configuration
EPC: Configurable 96-208 bits; USER: Configurable: 0-32 bits
TID: 96 bits

Applicable Surface Materials
Optimised for metal but works on other surfaces also

Read range (2W ERP)**

	Meter	Feet
On Metal	15	46.21
On Plastic	11	36

ENVIRONMENTAL RESISTANCE

Operating Temperature
-35°C to +85°C | -31°F to +185°F

Installation Temperature
+10°C to +38°C | 50°F to +100.4°F

IP Classification
IP68, tested 5 hours in 1m deep water

Chemical resistance
No physical or performance changes in:
- 168h Salt water (salinity 10%) exposure
- 168h Motor oil exposure
- 168h Sulfuric acid (10%, pH 2) exposure
- 12h NaOH (10%, pH 13) exposure
- Acetone should be avoided

Storage condition
1 year in +20°C | 73.4°F / 50% RH (shelf life for adhesive)

Expected Lifetime
Years in normal operating conditions

PERSONALISATION OPTIONS

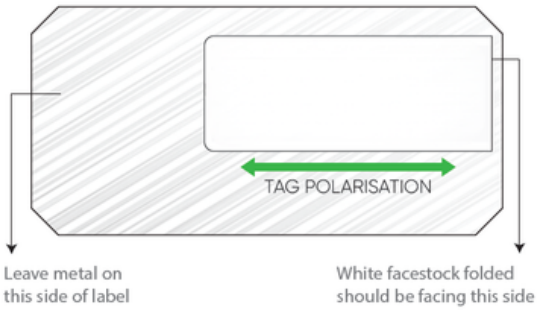
Pre-encoding
• Customer specific encoding of EPC memory

Customised Printing
• Customer specific artwork including logo & text, numbers, barcodes in black.

** 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.

iotsales@sivagroup.co

PRODUCT INSTALLATION



• Select a smooth even surface for label application.

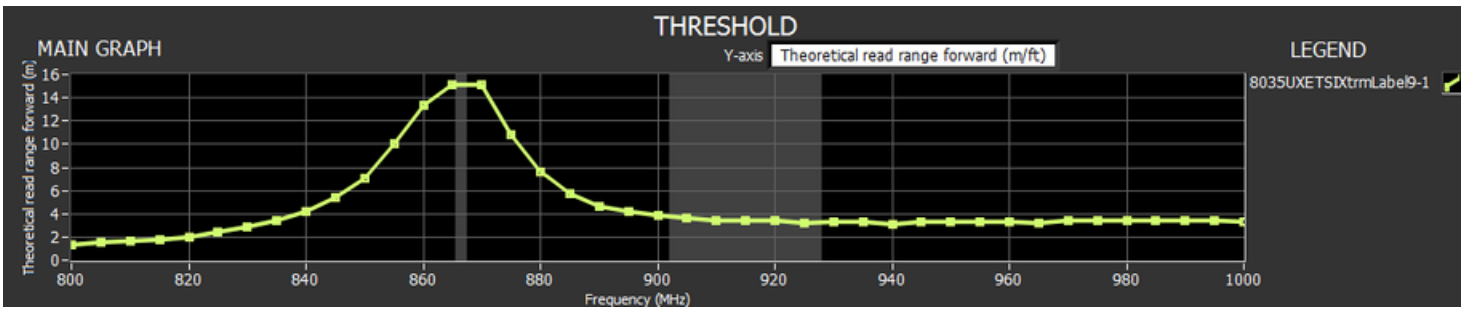
• Ensure the application surface is clean and dry for obtaining the maximum bond strength. Typical cleaning solvents are heptane or acetone for oily surfaces or isopropyl alcohol for plastics. Do not use household cleaning solvents that contain oils. Bond strength can be improved by applying moderate pressure over the label.

• Avoid touching the background adhesive of the label during installation.

• MoM8035 can be applied on a curved surface too. Smallest recommended bending diameter is 100mm. For optimal performance bend & apply the label as shown below:



READ RANGE GRAPH



ORDER INFORMATION

Part Number
• RF.LM.8035X.E.UX

Packaging
• 250 pcs per box; 4 boxes per carton

PRINTER COMPATABILITY

Successfully tested for printing & encoding on the following printers models.
• Zebra ZT411 On-Metal
• SATO CL4NX
• Printronix T6000e series

For setup instructions and printer configurations contact iotsales@sivagroup.co

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

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