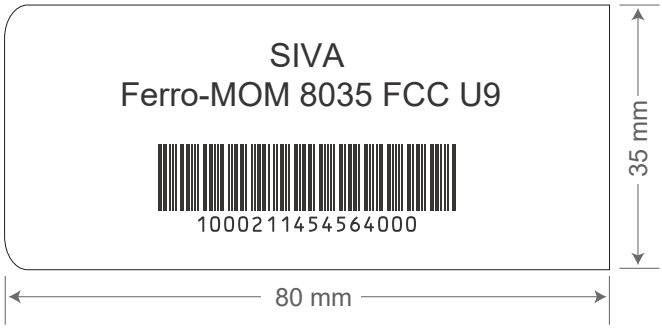
SMART RFID LABELS

Ferro-MOM 8035 FCC U9



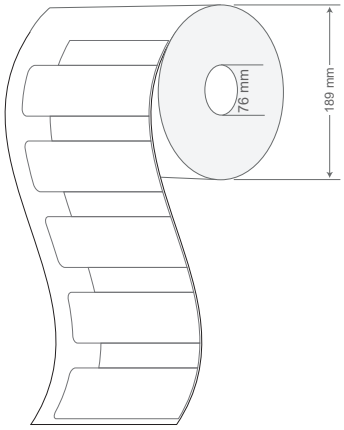
SIVA's Ferro-MOM 8035 FCC U9 is a passive RAIN (UHF) RFID label optimized for Metal surfaces and delivered with a high performance permanent adhesive with excellent bonding. These labels feature a film face to print customized logos, product information, scannable barcodes, QR codes, etc. directly on the label.

With balanced performance on different kinds of surfaces, this product is ideal for tracking asset such as tool tracking of medical devices used in healthcare, laptops, servers and other hardware in IT (information technology), industrial manufacturing assets, oil & gas pipelines, liquid container tracking, high value/luxury retail item tracking and many other industrial applications.

TYPICAL APPLICATIONS

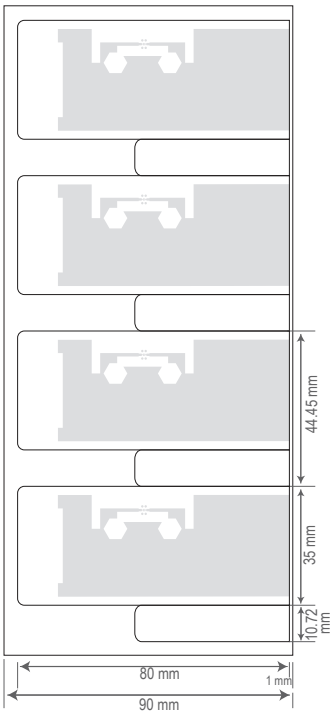
On Metal surfaces

- Indoor Asset Management: IT Assets, furniture's, home appliances and kitchen equipment
- Industrial: Metal assets, structural steel and RTI's
- Healthcare: Hospital Assets & Equipments



PHYSICAL SPECIFICATION

Face Stock	Special Plastic film
Label Sizes	80 x 35 x 1.3 mm 3.15 x 1.38 x 0.05 in
Adhesive	High performance permanent adhesive with excellent bonding
Weight	7.5 g
Delivery format	Roll form
No. of Labels/ Reel	500 pcs
Label Pitch	44.45 mm / 1.75 in
Core Inner Diameter	76 mm / 3 in
Roll Outer Diameter	189 mm / 7.44 in



RF SPECIFICATION

Mode of Operation	Passive
Device type	Class 1 Gen 2 Passive UHF RFID transponder
Air interface protocol	EPC Gen2v2.1 ISO 18000-6C
Operational frequency	Global 860-960 MHz
IC Type*	NXP UCODE 9
Memory configuration	96-bit of EPC memory with 48-bit unique serial number factory-encoded into TID
Write cycle endurance	100,000
Data Retention	Upto 20 years
Read range (2W ERP)**	FCC : upto 11m on Metal
Applicable surface materials	Metallic surfaces

ENVIRONMENTAL RESISTANCE

Operating Temperature	-20°C to +70°C / -4°F to +158°F
Withstands Exposure To	95% humidity, 60°C × 100 h, 50% humidity, 80°C × 100 h
Peak Temperature	+100°C for 1 hr, +80°C for 100 hrs (Label remains securely attached with object. No physical or performance changes observed)
Adhesive Service Temperature	-20°C to +85°C / -4°F to +185°F
Recommended Application Temperature	+10°C to +38°C / 50°F to +100.4°F
Water Resistance	IP67
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 - 24 h Sulfuric acid (10%) exposure - 30 min Acetone exposure
Ideal Storage Condition	+23°C / 50% RH
Expected Lifetime	Years in normal operating conditions

PRODUCT INSTALLATION

Attach label in close proximity to edge of the surface for optimum read range performance, as shown in image below.

Left over surface remains on this side of label

Visible Aluminum track this side

- 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.

PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC

Customized Printing

- Customer specific layout including logo, text, numbers, barcodes etc.

ORDER INFORMATION

Part Number

- RF.LL.TT.MOM.8035.FCC.U9

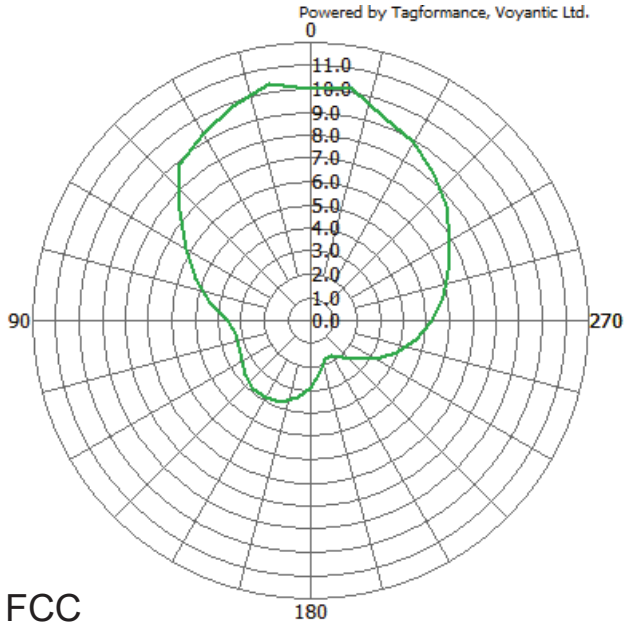
Roll Sizes

- 500 Labels per Roll / 4 Rolls per Carton

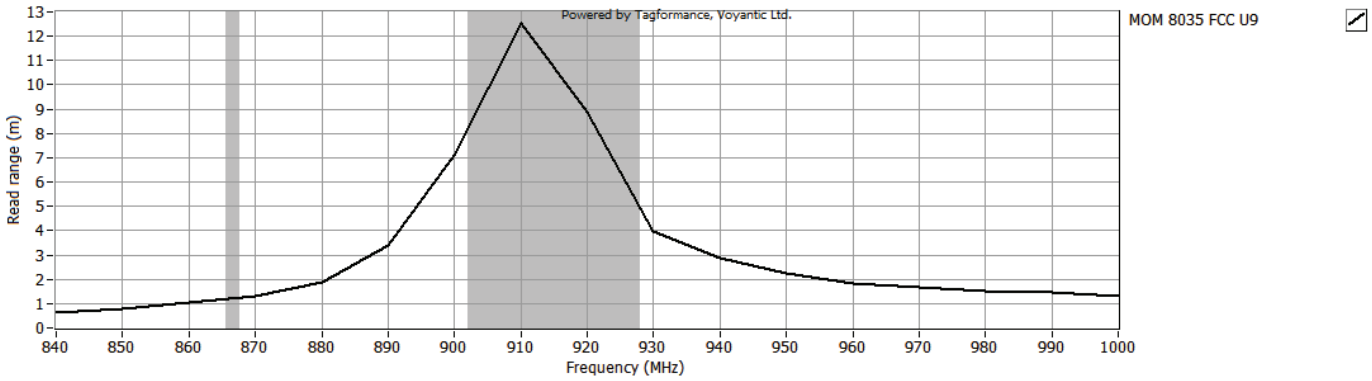
PRINTER COMPATIBILITY

- Contact us for RFID printer compatibility and settings

RADIATION PATTERN & READ RANGE GRAPH



FCC



* 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.

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