

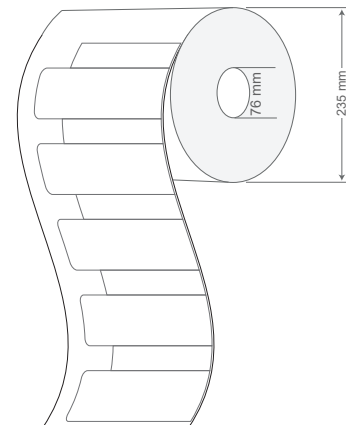
SIVA's Ferro-MOM 8035 is a passive RAIN (UHF) RFID label optimized for Metal and Plastic among other surfaces and delivered with a high performance acrylic adhesive. These labels feature a film face to print customized logos, product information, scannable barcodes, QR codes, etc. directly on the label.

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

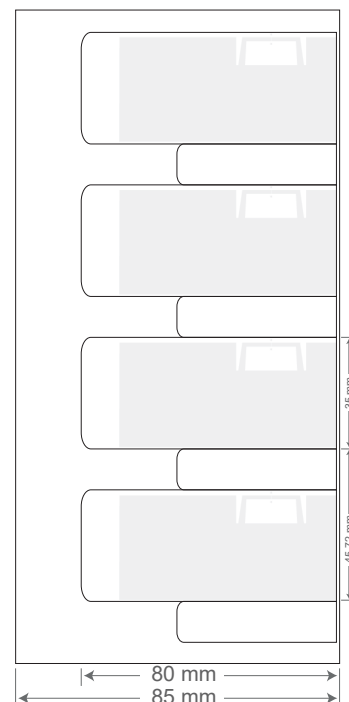
On Metal and Plastic surfaces

- Indoor Asset Management: IT Assets, furniture's, home appliances and kitchen equipment
- Automotive: Components, spare parts and RTI's
- Healthcare: Hospital Assets & Equipment's
- Industrial: Metal assets, structural steel and RTI's
- Retail: RTI's



PHYSICAL SPECIFICATION

Face Stock	Printable white PET
Label Sizes	80 x 35 x 1.2 mm 3.15 x 1.38 x 0.05 in
Adhesive	High performance acrylic adhesive
Weight	1.4 g
Delivery format	Roll form
No. of Labels/ Reel	500 pcs
Label Pitch	45.72 mm / 1.8 in
Core Inner Diameter	76 mm / 3 in
Roll Outer Diameter	235 mm / 9.25 in



RF SPECIFICATION

Mode of Operation	Passive
Device type	Class 1 Gen 2 Passive UHF RFID transponder
Air interface protocol	EPC Global Class 1 Gen 2 ISO 18000-6C
Operational frequency	ETSI: 865 - 869 MHz FCC: 902 - 928 MHz
IC Type*	Impinj Monza R6P
Memory configuration	EPC Size of 96 - 128 Bits, 96 bits TID with 48 bits Unique serial number
Write cycle endurance	100,000
Data Retention	Upto 50 years
Read range (2W ERP)**	ETSI - On Metal: Upto 4.5m, On PTFE: Upto 6m, On Glass: Upto 6.5m FCC - On Metal: Upto 5m, On PTFE: Upto 5.5m, On Glass: Upto 5.5m
Applicable surface materials	All surface

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	IP68, tested for 5 hours in 1m deep water
Chemical Resistance	Resistant to chemical solvents and moisture
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.



- 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

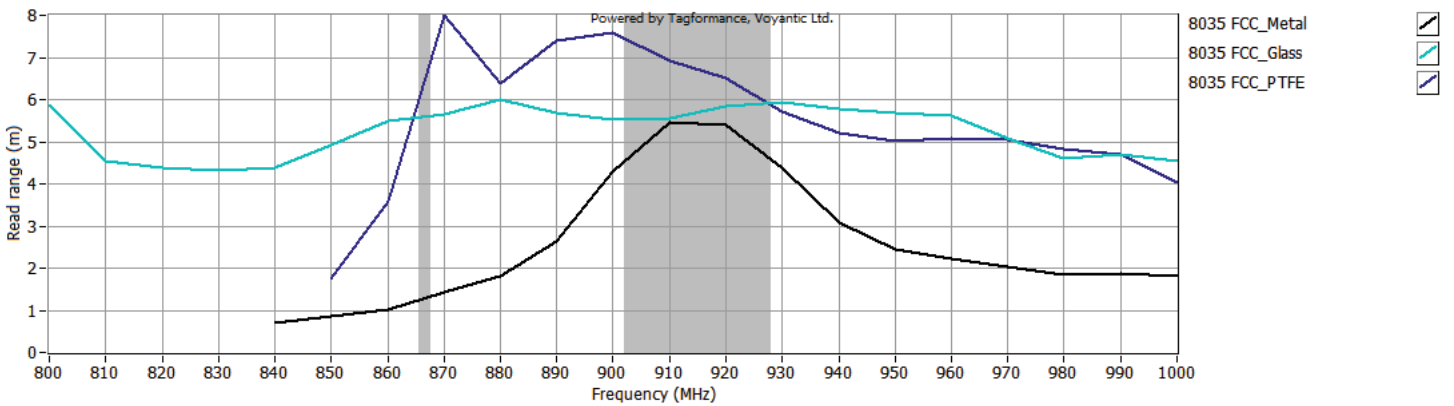
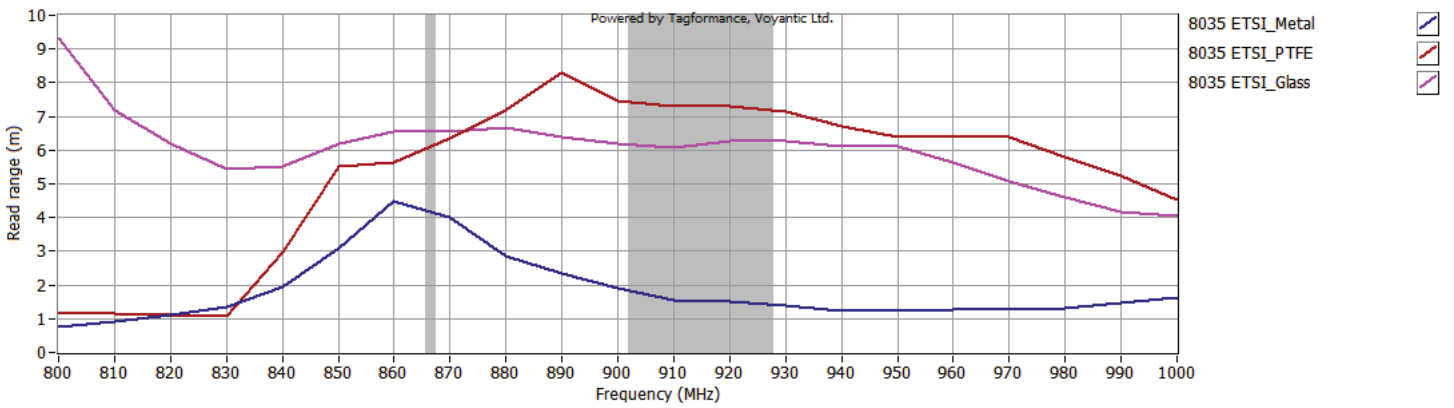
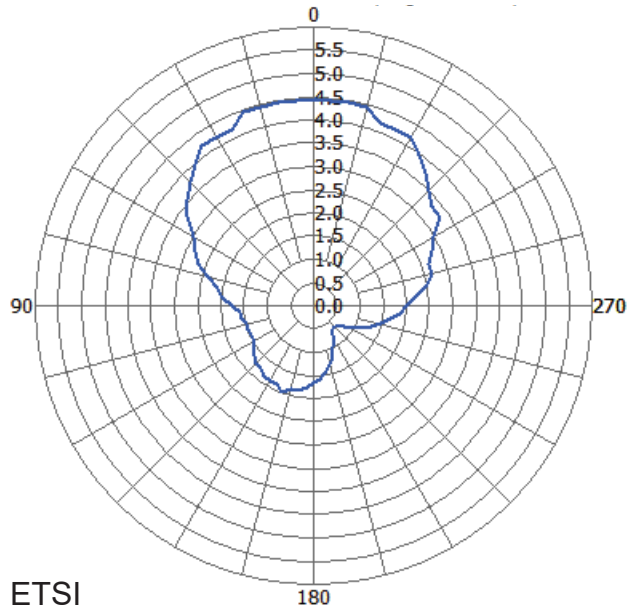
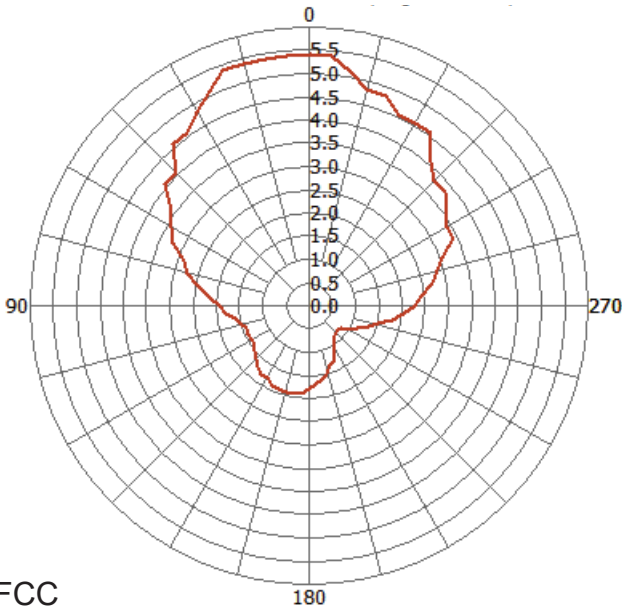
Part Number

- RF.LI.TT.MOM.8035.ETSI
- RF.LI.TT.MOM.8035.FCC

Roll Sizes

- 500 Labels per Roll / 4 Rolls per Carton

RADIATION PATTERN & READ RANGE GRAPH (ETSI & 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.



Version : 170221.01