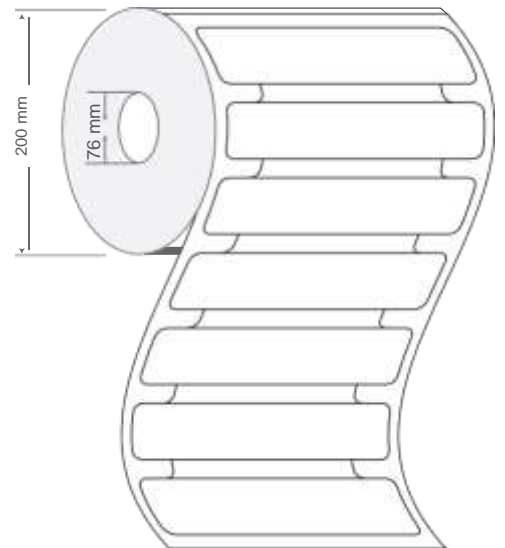




SIVA HTP 8719 is high temperature a passive UHF RFID label for Mount on Metal applications requiring a narrowest printable tag product. This product is finished with a high performance permanent acrylic adhesive for use on and off metal surfaces. These labels feature a film face to print private logos, product information, or scannable barcodes directly on the label and its additional flexibility for curved surfaces makes it perfect for tracking a variety of transit items.

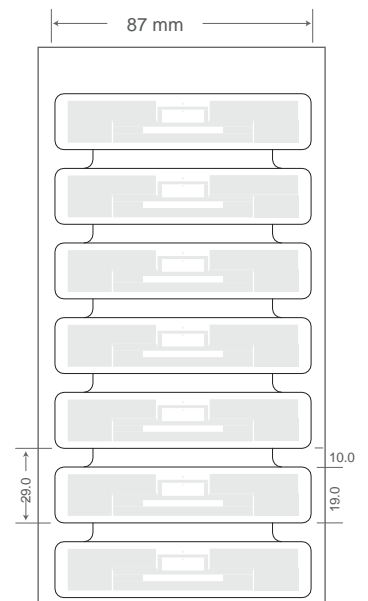
### TYPICAL APPLICATIONS

- For metallic surfaces and where the RFID Tag needs to survive up to 30 minutes in +200°C or longer in a bit lower peak temperatures
- Automotive paint shop, other industrial manufacturing incl. paintshops and heat baking processes



### PHYSICAL SPECIFICATION

Face Stock	Printable white PET, resin ribbon is recommended
Label Sizes	87 x 19 x 1.4 mm 3.42 x 0.74 x 0.05 in
Adhesive	High performance permanent acrylic adhesive with excellent bonding to metallic and liquid containers
Weight	2.1 g
Delivery format	Roll form
No. of Labels/ Reel	500 pcs
Label Pitch	29 mm / 1.14 in
Core inner diameter	76 mm / 3 in
Roll outer diameter	200 mm / 7.87 in



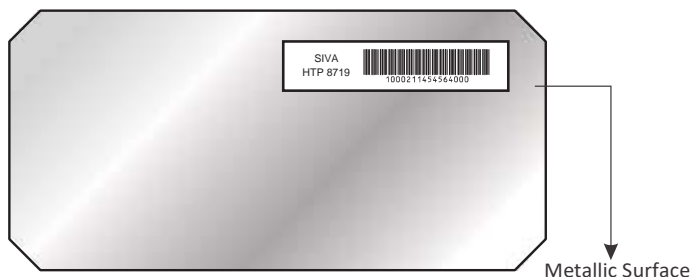
# RF SPECIFICATION

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	FCC 902-928 MHz ETSI 865-868 MHz
IC type*	NXP UCODE 8
Memory configuration	EPC Size 96 - 128 Bits
Write cycle endurance	100,000
Data Retention	Upto 20 years
Read range (2W ERP)**	FCC: On Metal 2.5 m ETSI: On Metal 2 m
Applicable surface materials	Metallic surfaces

# ENVIRONMENTAL RESISTANCE

Operating Temperature	-35°C to +85°C
Withstands Exposure To	Long-term: 10 hours at 349°F (170°C) Standard: 30 minutes at 392°F (200°C) Short-term: 90 seconds at 412°F (211°C)
Peak Temperature	200°C / 392°F
Adhesive Service Temperature	+70°C / 158°F
Recommended Application Temperature	23°C to 25°C / 73.4°F to 77°F
Water Resistance	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 - 30 min Acetone exposure
Ideal Storage Condition	+23°C / 50% RH
Expected Lifetime	Years in normal operating conditions

## PRODUCT INSTALLATION



- 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

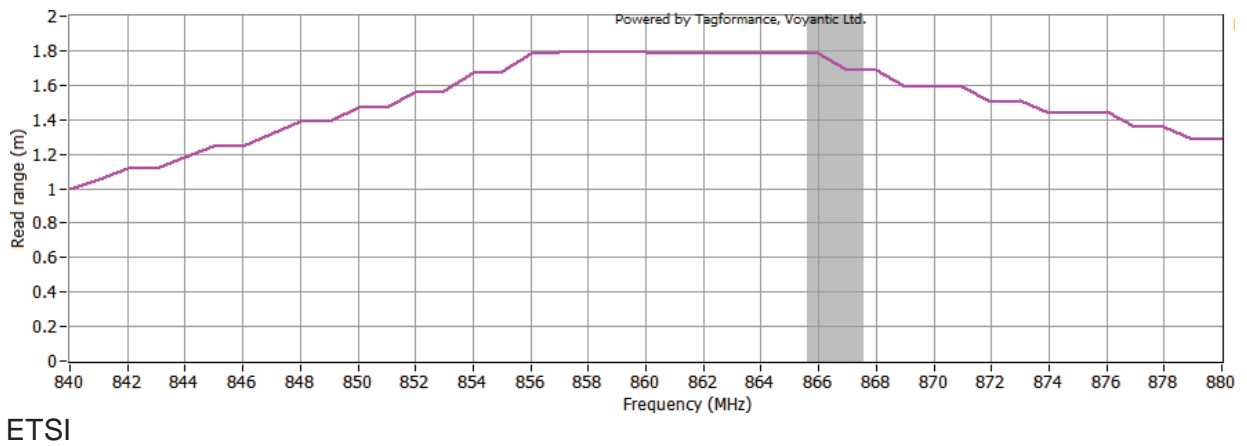
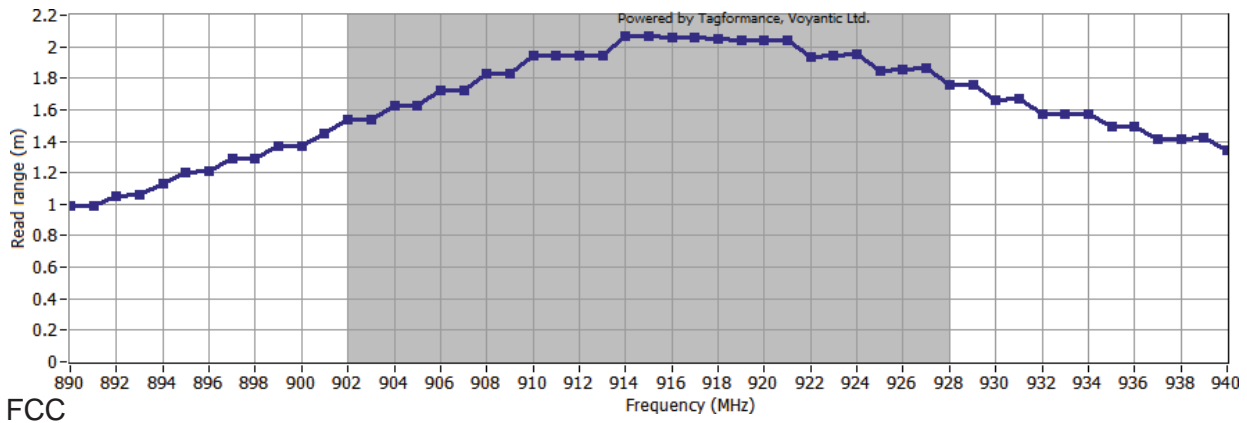
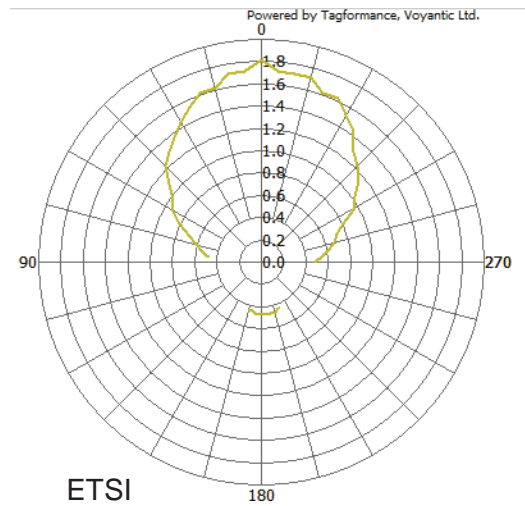
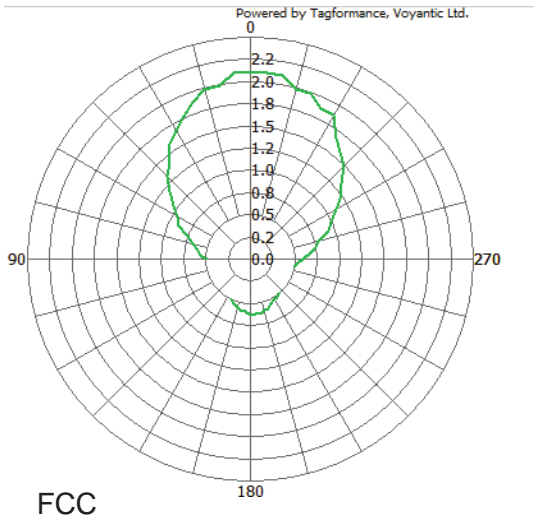
### Part Number

- RF.Li.TT.HTP.8719.ETSI
- RF.Li.TT.HTP.8719.FCC

### Roll Sizes

- 500 Labels per Roll / 4 Rolls per Carton

# RADIATION PATTERN & READ RANGE GRAPHS



For more information, visit: [www.rfidcanada.com](http://www.rfidcanada.com)

Email: [info@rfidcanada.com](mailto:info@rfidcanada.com)

+1 905-513-8919

\* 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 : 141219.01

