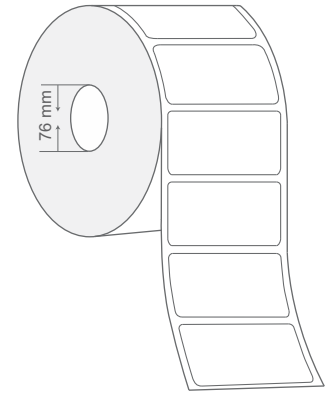


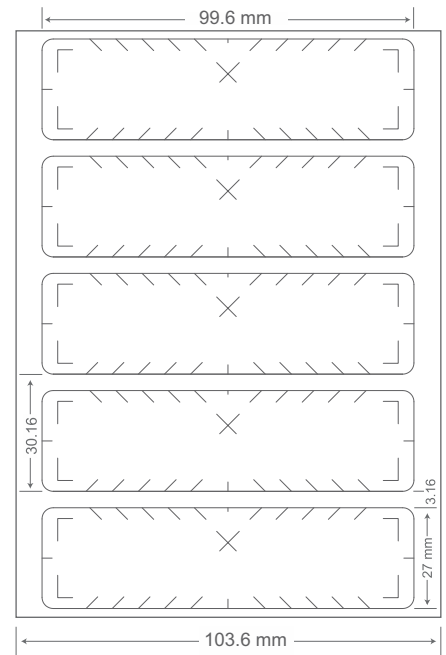
Syndicate Crystal TE Label with security cuts is a non-transferable tamper-evident label for vehicles windshields. Syndicate Crystal TE Label has been developed especially for automatic vehicle identification applications. Supplied in roll form as finished label and it can be encoded and printed with typical RFID printers that are capable of printing labels.

TYPICAL APPLICATIONS

- Automatic Toll Collection
- Parking Management
- Vehicle Access Control



PHYSICAL SPECIFICATION	
Face Stock	Printable white PET, resin ribbon is recommended
Label Sizes	99.6 x 27.0 x 0.2 mm 4.0 x 1.06 x 0.01 in
Adhesive	High performance permanent adhesive with excellent bonding to glass
Weight	0.75 gms
Delivery format	On reel
No. of Labels/ Reel	2000 pcs
Label Pitch	30.16 mm / 1.19 in
Core inner diameter	76 mm / 3 in



PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC

Customized Printing

- Customer specific layout including logo & text

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	Global 860-960 MHz
IC type*	NXP UCODE G2iM
Memory configuration	EPC Size 256 Bits, User Memory 512 Bits, 96 bits TID with 48 bits Unique serial number
Data Retention	Upto 20 years
Read range (2W ERP)**	EU and US on Glass up to 10 m / 32 ft
Applicable surface materials	Glass

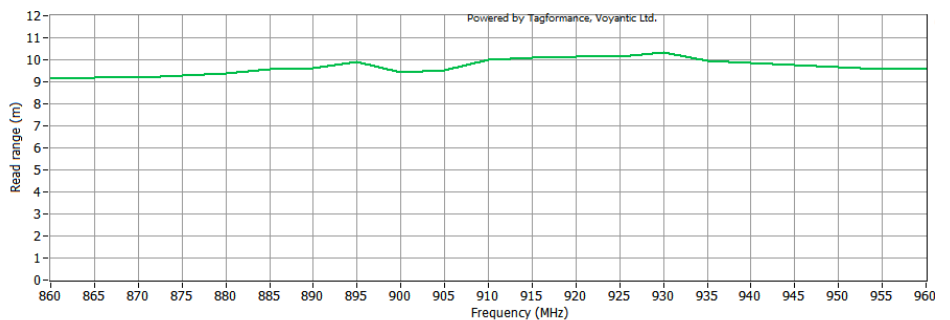
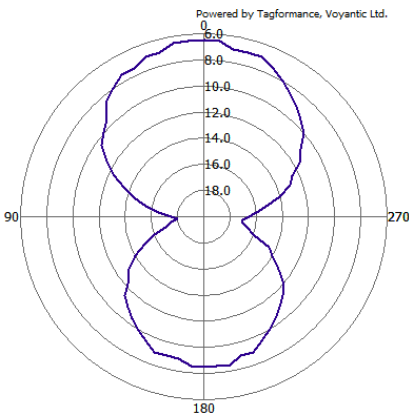
*Other ICs available on request

** Above indicated read range values are measured in our test lab environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may have an effect on performance.

ENVIRONMENTAL RESISTANCE

Operating Temperature	-30°C to +70°C / -22°F to +158°F
Recommended Application Temperature	+10°C to +38°C / 50°F to +100.4°F
Ideal Storage condition	+23°C, 50% RH / +73°F, 50% RH
Expected lifetime	Years in normal operating conditions

RADIATION PATTERN



Crystal G2M Glass

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