

Kapsch TrafficCom

TRP-8610.

UHF RFID Passive Windshield Tag.

With its high performance and high security features, the Windshield Tag delivers superior read performance. It is designed and tuned specifically for optimal performance when used on glass windshield of vehicles.

The Windshield Tag is designed for use on vehicle windscreens. The Windshield Tag is constructed to provide reliable reading for years, even in extreme weather and driving environments. Designed as a vehicle tag, only outdoor and automotive application-grade materials are used in its manufacture.

The Windshield Tag is intended for use in high performance and security applications such as Electronic Toll Collection (ETC), Electronic Vehicle Registration (EVR), Secure Parking and Access Control, Fleet Management, and other critical vehicle tracking applications. User memory is write-protected, offering a higher level of security. The chip also features a factory pre-programmed and permanently locked 96-bit serial number that cannot be altered.

Kapsch Windshield Tags are available with



Applications:

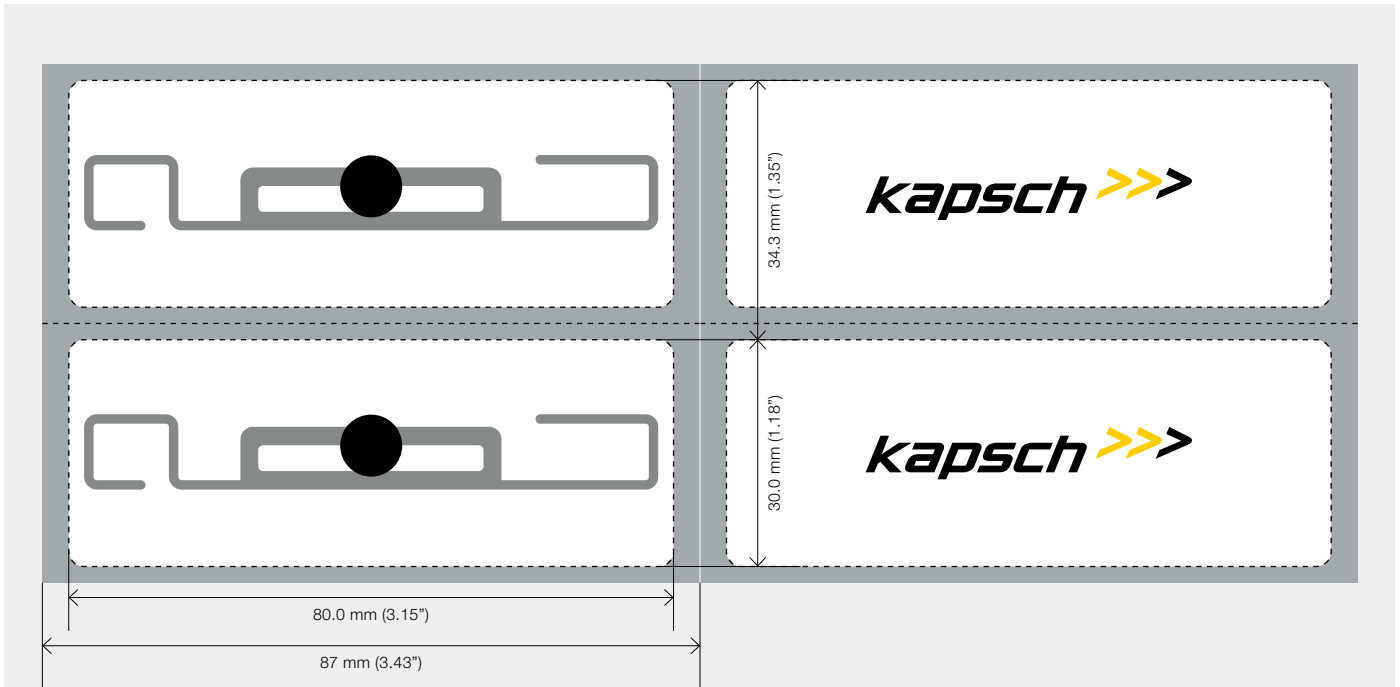
- > Electronic Toll Collection
- > Electronic Vehicle Registration
- > Parking and Access Control
- > Vehicle Emissions Inspection
- > Fleet Management

features such as Non-Removeable Non-Transferable (NRNT) and Tamper Evident Feature, IR and UV Light Protection Filter, Customer Press or Variable Printing,

Features:

- > Specially designed for windshield glass
- > ISO 18000-63 (6C) / EPC C1G2
- > Great Read Performance
- > UHF band 860-960 MHz

and Custom Chip Programming. Optional custom packaging and tag sizes are also available.



Technical Specifications.

Physical Specifications

- > Measurements (W x H): ⁽¹⁾
80.0mm x 30.0mm
3.15" x 1.18"
- > Inlay Substrate: Special PET (non-shrink)
- > Antenna Material: Silver Conductive Ink
- > Release Liner Material: Clear Polyester/Paper
- > Adhesive: Clear Permanent Adhesive
- > Quantity per roll: 2,500 pieces
- > Roll core size:
76.2mm x 110.0mm
3.00" x 4.33"
- > Custom Printing on Facestock: Optional
- > Custom Printed Release Liner: Optional

Communication

- > Operating Mode: Passive
- > RF Protocol:
ISO 18000-63 (6C)
EPC C1G2
- > Functionality: Read
- > Data Transfer Rate: Up to 640 kbps
- > Operating Frequency: 860-960 MHz

Environmental Specifications

- > Operating Temperature (Installed):
-50 °C to +85 °C
-58 °F to +185 °F
- > Relative Humidity (RH) (Installed):
100 % Condensing Humidity
- > Storage Temperature:
-40 °C to +100 °C
-40 °F to +212 °F

Memory & RF Security

- > Chip Type: Alien HIGGS 3
- > EPC: 96-480 Bits
- > Unique TID: 64 Bits
- > Access Password: 32 Bits
- > Kill Password: 32 Bits
- > EEPROM Data Retention: 15 Years
- > EEPROM Write Endurance: 100,000 cycles
- > Custom TID Bitmask: Optional ⁽²⁾
- > Password Authentication: Yes

⁽¹⁾ Custom tag sizes are available upon request.

⁽²⁾ Other chip types are available upon request