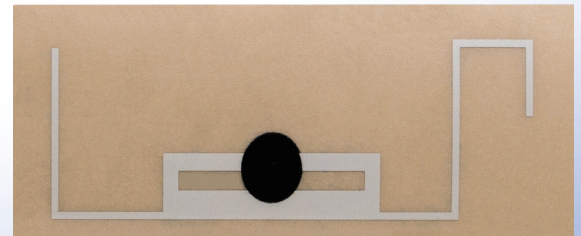


SCORPIO™

UHF RFID Transponder

Applications

- Specially designed to be used on vehicle glass
- PVC plastic card inlays



Product Description

With its High-3 Chip, the Scorpio delivers a next generation read and write performance, yet it is completely optimized for the highest volume vehicle glass application.

With the High-3 chip, it has flexible memory architecture that provides an optimum allocation of EPC and User memory for different type of usage such as legacy part numbering systems and service history. User memory can also be read-locked and or write-locked on 64-bit boundaries, supporting a variety of public/private usage models. The IC also features a factory programmed 64-bit serial number that cannot be altered. In conjunction with the EPC code, this provides a unique “fingerprint” for the tagged item.

Scorpio can give you optional features such as Break on Removal security, IR and UV protection filter and custom printing.

SCORPIO™

Specifications

Dimensions	3.15 x 1.18" (80.00 x 30.00 mm)
Pitch	35.29 mm
Chip Type	Alien HIGGS 3
Operating Frequency	860-960 MHz
RF Protocol	ISO 18000-6C, EPC C1G2
ESD – HBM / CDM	+/- 3kV
Data Transfer Rate	Up to 640 kbps
EPC	96-480 Bits
On-Chip Memory	800 Bits
Unique TID	64 Bits
Access Password	32 Bits
Kill Password	32 Bits
Operating Temperature (Installed)	-50°C to +85°C (-58°F to +185°F)
Storage Temperature	-50°C to +100°C (-58°F to +212°F)
Relative Humidity (RH) (Installed)	100% Condensing Humidity
EEPROM Data Retention	10 Years
EEPROM Write Endurance	100,000 Cycles
Password Authentication	Yes