neoPass™

License Plate 6C Transponder

OMNIAIR® CERTIFIED

RFID-6C SP-MP-ML Tolling

2025110602



This transponder conveniently attaches to the existing holes in your license plate and is the perfect choice when an interior tag is not an option.

Overview

This OmniAir® and E-ZPass® Interagency Group-certified 6C transponder has read/write functionality, includes a unique identification code and operates without a battery by drawing power from the reader.

The uniquely designed over-molded mounting rivets reinforce and securely fasten the transponder – even in the most demanding environment.

Our proven experience, reliability, and consistent performance are the result of our design excellence, stringent quality control, and rigorous internal testing of 100% of our tags at our San Marcos, CA manufacturing facility.

Neology has distributed millions of 6C tags globally with a significant percentage of 6C transponders in the US tolling market. Neology holds long-standing intellectual properties with over 400 granted patents.

Transponder Features

- IP67 rated for exterior mounting
- Made with polycarbonate material for long lasting durability
- Offers multiple levels of security
- Password authentication
- Slim, modern, and lightweight form factor
- All tags are passive; eliminating the need for batteries
- Over 10-year life expectancy
- Outstanding performance reliability with high-speed data transfer and read ranges between 7-12 meters
- Compliant with 6C TOC power requirements
- This tag includes special security screws with matching Allen wrench for easy installation and theft prevention

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Neology is proud to be an International Bridge, Tunnel and Turnpike Association (IBTTA) member and Platinum Sponsor.

ibtta Platinum

Technical Specifications

Product Information
Part Number:
201098: Tag License Plate

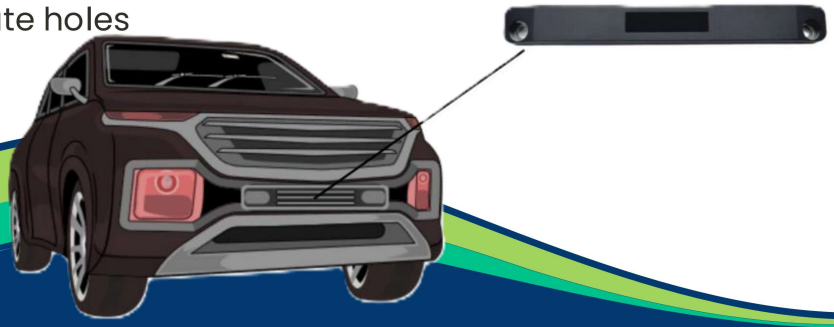
Physical Characteristics
Dimensions: (L x W x D)
203 x 25 x 12 mm
8 x 1 x 0.5 inches
Average Weight: 38.6g
Material: Polycarbonate

Environmental Characteristics
Operating Temperature: -40° to +85° C
Storage Temperature: -55° to +125° C
IP Classification: IP67
Rain/Hermicity per MIL-STD-810G
Weatherability: Excellent
Including UV Resistant and Sea Water
Vibration Resistance:
ASTM D4169 Truck Transportation Profile

ESD
15kV Air Discharge, 8kV Contact Discharge

Mounting Method
Security screws in existing license plate holes

Electrical Characteristics
Chip Type: NXP UCODE9xm
IC Operating Frequency: 860-960 MHz
Tag Operating Frequency: 902-928 MHz
Data Transfer Rate: up to 640 kbps
Supported Protocol
ISO/IEC 18000-6C,
UHF EPC Global Gen 2 (V.2.1)
On-Chip Nonvolatile Memory: 800 bits
EPC Memory: 96 bits
User Memory: over 512 user bits
Tag Identifier: 96-bit TID
Access Password: 32-bit
Kill Password: 32-bit
EEPROM Data Retention: 20 years
EEPROM Write Endurance: 100k cycles
Unique TID
Password Authentication



Neology, Inc. is a global tolling technology company headquartered in Carlsbad, California, that develops and delivers tolling products and services used in over 5,000 lanes and ETC systems across North America, Latin America, Europe, and Asia Pacific.

Neology is partnering with our customers to help communities enhance mobility, increase sustainability, improve safe ty, and generate increased revenue.

neology mobility [re]imagined

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