Printed Electronics
RFID Solutions
Soligie RFID Tag

Soligie RFID tag communicates data under the toughest conditions, mounts unobtrusively on glass and utilizes a tamper-proof design, making it ideal for applications such as fleet management, vehicle registration and vehicle inventory management.

Features and Benefits

- Excellent adhesion to glass
  Effective for vehicle tracking
- Anti-tamper security
  Prevents tag removal and reuse
- High-performance, UV-resistant acrylic adhesive
  Offers superior longevity
  Withstands outdoor applications
- Durable print, resistant to glass cleaner
  Withstands everyday maintenance of vehicles
- Strong RF signal – read range of 4 to 5m (12 to 17 feet)
  Mitigates risk of communication problems with readers
- Four-color process available, accompanying barcode
  Customizable printing to show customers’ logos on labels
- Small footprint: 70.00 by 15.00mm (2.75 by 0.60”)
  Allows unobtrusive placement on vehicle windows
  Does not diminish vehicle aesthetics
- Additional data storage: 96-bit EPC memory plus 512-bit user memory
  Can manage large amounts of custom data

Industries
Automotive Manufacturing
Automotive Sales/Retail
Government

Applications
Lot Management
Sales and Retail Inventory
Lot Access/Control
Geo Fencing Enhancement
Vehicle Registration
Fleet Management
Lot Access/Control
Fleet Management
Car Wash
RFID Specifications

PHYSICAL
Dimensions
70.00 to 15.00mm (2.75 by 0.6”)
Use Case
On glass (interior mount)
Attachment
High-performance, UV-resistant acrylic adhesive
Weight
1.5 grams

ELECTRICAL/RF
Typical Read Range
3.66 to 5.18m (12 to 17’) at 36 dBm ERP,
tag on inside of window
Frequency
902 to 928 MHz
IC Platform
Alien Technology Higgs3
IC Memory
96-bit EPC, 512-bit user memory

ENVIRONMENTAL
Application Temperature
+10°C (+50°F)
Operating Temperature
-40 to +70°C (-40 to +158°F)
Storage Temperature
-40 to +85°C (-40 to +185°F)
IP Rating
IP52

Example Configurations

Ordering Information

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<th>Series No.</th>
<th>Component</th>
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</thead>
<tbody>
<tr>
<td>15502-0009</td>
<td>Soligie Molex RFID Tag</td>
</tr>
<tr>
<td>15502-0010</td>
<td>Soligie Blank RFID Tag</td>
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</tbody>
</table>

Custom Product
Contact Molex

www.molex.com/link/rfidtag.html

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