

## Data Sheet

# Reader System Series 5000 L/UHF Vehicle Transponder



### Specifications:

Part Number	RI-TRP-VUSA / RI-TRP-VETA
RFID Functionality	Encryption and Read only
Reader System Required	Series 5000 Reader System
Operating Frequency - Down-link	134.2 kHz
Operating Frequency - Up-link (FCC Compliant)	902.8 MHz (RI-TRP-VUSA)
Operating Frequency - Up-link (ETSI Compliant)	868.3MHz (RI-TRP-VETA)
Modulation	<ul style="list-style-type: none"> <li>ASK for 134.2 kHz Down-link</li> <li>FSK for 902.8 / 868.3 MHz Up-link</li> </ul>
Memory (Bits)	<ul style="list-style-type: none"> <li>32 bit identification code</li> <li>24 bit programmable data field</li> <li>40 bit encryption key</li> </ul>
Typical Reading Range	Up to 8ft*
Typical Reading Time	104 ms
Power source (For UHF Up-link)	CR2032 Lithium coin cell (3V)
Operating Temperature	-20 to +70°C
Storage Temperature	-40 to +100°C
Case Material	High Impact, UV resistant plastic
Mounting	Hook and Loop Tape
Dimensions (Approximate)	58.0mm x 44.0mm x 2.5mm 2.28" x 1.73" x 0.85"
Weight (Approximate)	41 grams
EMC	FCC, Part 15 compliant (FCC ID: A92VEHICLE)

\*Depending on local RF regulations, application, Reader Antenna configuration and environmental conditions.

For more information, contact the sales office or distributor nearest you. This contact information can be found on our web site at: <http://www.ti-rfid.com>

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