EMS, is the field-proven leader in the development and application of Radio Frequency Identification (RFID) Tags/Labels/PCBs, Antennas, Controllers and network interface modules for tough industrial environments. With over seventeen years of RFID successes in the automotive, electronics, material handling and food processing industries, EMS has built a global reputation in providing customers with complete supply chain solutions – from production to retail EMS has the complete solution! EMS’ FastTrack™ line of RFID Tags/Labels/PCBs and Reader/Writers (or Antennas) provides outstanding RFID solutions for demanding industrial environments. From scorching paint ovens to post office applications, the FastTrack™ family of RFID Tags/Labels/PCBs and Reader/Writers deliver on all of your data collection and tracking demands. The LRP525HTS is a robust, high temperature tag that offers both unsurpassable durability, as well as maximum range. This tag has the ability to operate in conditions that would leave most RFID tags withered and useless. Paint ovens reaching 200°C are no match for this rugged tag. The LRP525HTS uses the ISO 15693 Philips I-Code SLI chip in its construction and is compatible with a variety of readers EMS offers. These readers include the LRP820/830-02S, LRP820/830-04S, LRP820/830-08S, LRP2000-01, LRP2000-23 and LRP2000-26.

Features
- Read Range of up to 4 feet using LRP2000-23/26 Antennas
- High Temperature Surviving Tags - up to 200°C

Use With
- LRP820-02S
- LRP820-04S
- LRP820-08S
- LRP2000-26
- LRP2000-23
- LRP2000-01
LRP525HTS High Temperature ISO15693 Tag

RF Interface
Memory: 112 Bytes
Data Transfer Rate:
Read: 1200 Bytes/Second
Write: 500 Bytes/Second

Environment
Operating Temperature: -40° to 200°F (-40° to 93°C)
Storage Temperature: -40° to 392°F (-40° to 200°C)
Protection Class: NEMA 6P/13 (IP68)

Note: Operating Temperature is the range of temperatures at which read, write and fill operations can be performed. Storage time prior to LRP525HTS tag failure is not indefinite. Storage time must be established via testing in the actual working environment.

LRP525HTS High Temperature ISO15693 Tag
Typical & Guaranteed Read/Write Ranges

<table>
<thead>
<tr>
<th>Antennas</th>
<th>LRP820-02S</th>
<th>LRP820-04S</th>
<th>LRP820-08S</th>
<th>LRP2000-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Range (Z) (inches/cm)*</td>
<td>14.0(36.0)</td>
<td>9.5(24)</td>
<td>20.5(52.0)</td>
<td>37.4(95.0)</td>
</tr>
<tr>
<td>Guaranteed Operating Range</td>
<td>11.2(28.0)</td>
<td>7.6(19.0)</td>
<td>16.4()</td>
<td>30.0(76.0)</td>
</tr>
</tbody>
</table>

* Proximity to metal, CRT devices and other sources of electromagnetic radiation may affect the range of the Antenna.

Mechanical Dimensions

![Diagram of the LRP525HTS High Temperature ISO15693 Tag](image)

Your Complete Supply Chain RFID Provider - Call: 831/438-7000   Fax: 831/438-5768   Web: www.ems-rfid.com
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