

**ESCORT MEMORY SYSTEMS*****FastTrack™*****RFID**

FastTrack™ Series RFID Tags LRP125HT-FLX

Features

- High-Temperature Surviving RFID Tags
- No Batteries
- Compact .88in. Diameter
- No Moving Parts
- Flexible, Easy to Mount
- Reusable or Disposable

Applications

- Paint Ovens
- Material Handling
- Manufacturing

Use With

- FastTrack™ Long-Range Conveyor Reader/Writer (LRP820-04)
- FastTrack™ Long-Range DeviceNet Conveyor Reader/Writer (LRP830-04)
- FastTrack™ Long-Range Reader/Writer (LRP820-08)
- FastTrack™ Long-Range DeviceNet Reader/Writer (LRP830-08)

EMS, a Datalogic Group Company, 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 a dozen 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 parcel tracking applications, the FastTrack™ family of RFID Tags/Labels/PCBs and Reader/Writers deliver on all of your data collection and tracking demands.

The FastTrack™ family of RFID Tags/Labels/PCBs use Philips Semiconductor I-CODE chips, but most important, use EMS' unique,

patented design and manufacturing technology to create the most advanced industrial RFID Tags.

EMS' reusable (or disposable) FastTrack™ Series Passive Read/Write RFID LRP125HT-FLX Tag is specifically designed for demanding manufacturing environments. The Tag is available in a compact .88in. diameter. This FastTrack™ Tag also features high temperature surviving capabilities. Long-Range Read and Write distances, Multiple-Tag-In-Field Read/Write technology, industrial Antennas, DeviceNet Reader/Writers, RFID Labels, high-temperature disposable FLX Tags EMS' FastTrack™ family of products is your RFID solution.

**HIGH
TEMPERATURE
SURVIVING
RFID TAGS**

FastTrack™ – LRP125HT-FLX

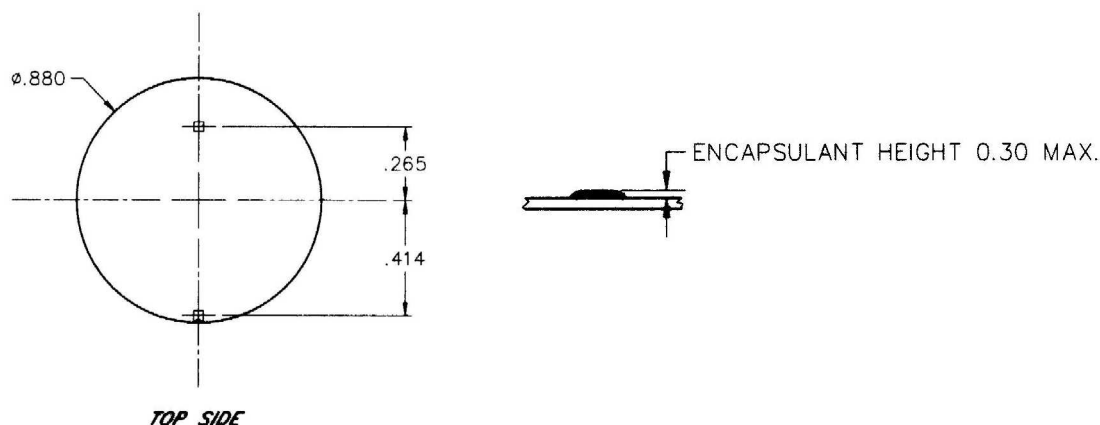
Features

LRP125HT-FLX

Memory	48 Bytes
Data Transfer Rate	Read Speed 1200 Bytes/Second Write Speed 500 Bytes/Second
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 LRP125HT-FLX tag failure is not indefinite. Storage time must be established via testing in the actual working environment.

Mechanical Dimensions



RFID Field and Read/Write Ranges

LRP820-04 / LRP830-04 Passive Reader/Writers (mounted between metallic rollers)

Reading & Writing Ranges with FastTrack™ Passive Read/Write TAGS

LRP125HT-FLX

Typical Range (Z) (inches/mm)*	2.50/64
Guaranteed Operating Range	2.00/51

LRP820-04 / LRP830-04 Passive Reader/Writers (free air/non-metallic environment)

Reading & Writing Ranges with FastTrack™ Passive Read/Write TAGS

LRP125HT-FLX

Typical Range (Z) (inches/mm)*	3.00/76
Guaranteed Operating Range	2.25/57

LRP820-08 / LRP830-08 Passive Reader/Writers

Reading & Writing Ranges with FastTrack™ Passive Read/Write TAGS

LRP125HT-FLX

Typical Range (Z) (inches/mm)*	8.00/203
Guaranteed Operating Range	7.00/178



Passive Read/Write Radio Frequency Identification (RFID) Typical & Guaranteed Read/Write Ranges

(inches/mm)*

Antennas	Tags		
	LRP820-08 / LRP830-08	LRP820-04 / LRP830-04 without metal	LRP820-04 / LRP830-04 with metal
LRP125(HT)/125HT-FLX	Typ. 8.00/203	3.00/76	2.50/64
	Guar. 7.00/178	2.25/57	2.00/51
LRP250(HT)	Typ. 17.00/432	8.50/216	7.00/178
	Guar. 15.00/381	7.50/191	6.00/152
LRP250HT-FLX	Typ. 17.00/432	8.50/216	7.00/178
	Guar. 15.00/381	7.50/191	6.00/152
LRP-P125	Typ. 8.00/203	3.00/76	2.50/64
	Guar. 7.00/178	2.25/57	2.00/51
LRP-P3858	Typ. 17.00/432	8.50/216	7.00/178
	Guar. 15.00/381	7.50/191	6.00/152
LRP-P5050	Typ. 17.00/432	8.50/216	7.00/178
	Guar. 15.00/381	7.50/191	6.00/152
LRP-L5555	Typ. 17.00/432	8.50/216	7.00/178
	Guar. 15.00/381	7.50/191	6.00/152
LRP-L4982	Typ. 17.00/432	8.50/216	7.00/178
	Guar. 15.00/381	7.50/191	6.00/152
LRP-L2666	Typ. 16.00/406	7.00/178	6.00/152
	Guar. 13.00/330	6.00/152	5.00/127
LRP-L90140	Typ. 25.00/635	12.00/305	9.00/229
	Guar. 22.00/559	11.00/279	8.00/203

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