



Manufacturer of RFID tags

DATASHEET

PET Disc Tag

Tag Code: L11X131

PET Disc Tags are ideal for access control, security and logistics applications. They are available with various Chips & memory sizes.



Electrical Specification

Air Interface Protocol	ISO/IEC 11784/85
Operational Frequency**	125kHz (134.2kHz on request)
Chip**	EM4305
	512 bit EEPROM organized in 16 words of 32 bit
	❖ 32 bit unique identifier (UID)
	❖ 32 bit Password read and write protection
	❖ Lock feature converts EEPROM words into Read Only
	❖ Two data encodings: Manchester and Bi-phase
	❖ Multi-purpose data rate: 8, 16, 32, 40 and 64 RF clocks

Physical / Mechanical Specification

Diameter	30 mm	27 mm	25 mm	20 mm	18 mm	16 mm
Thickness	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.7 mm
Weight	0.80 gm	0.60 gm	0.40 gm	0.30 gm	0.25 gm	0.20 gm
Product Code	L116131	L115131	L114131	L113131	L112131	L111131
Encasement	PET					
Color	Transparent					
Quality Assurance	100% reader tested					

Environmental Resistance

Operating temperature	-40°C to +55°C
Storage temperature	-40°C to +60°C
Attachment***	Adhesive
Expected Lifetime	Years is normal operating conditions

Dimensions



Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours

Resistant to continuous exposure to motor oil for 2 hours

Additionally, abrasion resistant against HCL and IPA

Additional Services

Pre-encoding	On request
Customization***	Logo / text printing on request

* Actual Read range may vary depending upon the reader and environmental factor

** Other on request

*** Available as an option at extra cost

Order Information

Part No.	Description
L11X131	With EM 4305
L11X171	With EM 4200

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