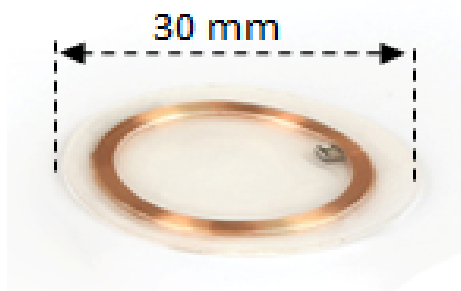# LF PET Disc Tag

Product Code: L11XXXX

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

Tag Dimensions

Electrical Specifications

Air Interface Protocol	ISO/IEC 11784/85					
Operational Frequency**	125kHz (134.2kHz on request)					
Chip**	EM4305 / TK4100					
	512-bit EEPROM organized in 16 words of 32 bit for EM4305 64-bit memory for TK4100					
Diameter	30 mm	27 mm	25 mm	20 mm	18 mm	16 mm
Product Code	L116131	L115263	L114131	L113131	L112131	L111131
Chip	EM4305	TK4100	EM4305	EM4305	EM4305	EM4305
Read Range*	Up to 55mm on GIS TS-RW 38 Plus Reader	Up to 50mm on GIS TS-RW 38 Plus Reader	Up to 40mm on GIS TS-RW 38 Plus Reader	Up to 40mm on GIS TS-RW 38 Plus Reader	Up to 45mm on GIS TS-RW 38 Plus Reader	Up to 35mm on GIS TS-RW 38 Plus Reader
Operating temperature	-40°C to +55°C					
Storage temperature	-40°C to +60°C					
Attachment***	Adhesive					
Expected Lifetime	Up to 5 Years is normal operating conditions					

Physical and 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	0.40 gm	0.30 gm	0.25 gm	0.20 gm	0.20 gm
Encasement	PET					
Colour	Transparent					
Quality Assurance	100% reader tested					

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

Order Information

L11X131	With EM 4305
L11X171	With EM 4200

For 16 mm PET Disc Tag X value is 1
For 18 mm PET Disc Tag X value is 2
For 20 mm PET Disc Tag X value is 3
For 25 mm PET Disc Tag X value is 4
For 27 mm PET Disc Tag X value is 5
For 30 mm PET Disc Tag X value is 6

(For Ex: L11X131⇒L111131 is 16mm PET Disc Tag with EM 4305 Chip)

*	Actual read range may vary depending upon the reader
**	Other on request
***	Available as an option at extra cost