Omnia
Manufacturer of RFID tags

DATASHEET

PET Disc Tag

Tag Code: H11X209

PET Disc Tag is Ideal for access control, security & logistics applications. These clear disc tags consist of an RFID E-unit laminated between two PET plastic sheets. It is available with different chips & memory sizes.

Electrical Specification

Air Interface Protocol	ISO/IEC 15693
Operational Frequency	13.56 MHz
Chip**	I-CODE SLIX-L
	512 bits, organized in 16 blocks of 4 bytes each, 4 blocks are summed up to 1 page
	Fast data transfer: up to 53 Kbit/s
Data retention	50 years
Write endurance	100000 cycles

Physical / Mechanical Specification

Diameter	16 mm	18 mm	20 mm	25 mm	27 mm	30 mm
Thickness	0.70 mm	0.70 mm	0.70 mm	0.70 mm	0.70 mm	0.70 mm
Weight	0.10 gm	0.14 gm	0.17 gm	0.20 gm	0.23 gm	0.25 gm
Tag code	H111209	H112209	H113209	H114209	H115209	H116209
Encasement	PET					
Quality Assurance	100% Read Tested					
Color	Transparent					

Environmental Resistance

Operating temperature	-25°C to +55°C
Storage temperature	-40°C to +55°C
Ingress protection rating	IP67
Attachment* **	Adhesive
Applicable surface	Plastic, Wooden
Expected Lifetime	Years in 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
H11X157	With NXP mifare UL chip
H11X209	With NXP I-CODE SLI-X-L
H11X107	With NXP I-CODE SLI
H11X098	With NXP Mifare 1K

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