



### Description & Features

LF PET tag is miniature in size, it is dust and water proof. it's perfect to use for object identification like carton box and bins in manufacturing, warehouse & industrial application and can be customize with different IC variants and memory area depending on requirement.



**25mm LF PET DISC TAG** (Part No. : 11K1N8101)

[www.mesontags.com](http://www.mesontags.com)

### Electrical Characteristics

Communication ISO Protocol	ISO/IEC 11784/85
Operating Frequency band	125 KHz / 134.2 KHz
Chip type	<b>EM4305 (Other upon request)</b>
Memory Organization	<ul style="list-style-type: none"> <li>• 512 bit EEPROM organized in 16 words of 32 bit</li> <li>• 32 bit unique identifier (UID)</li> <li>• 32 bit Password read and write protection</li> <li>• Lock feature converts EEPROM words into Read Only</li> <li>• Two data encodings: Manchester and Bi-phase</li> <li>• Multi-purpose data rate: 8, 16, 32, 40 and 64 RF clocks</li> </ul>
Data retention	10 Years
Endurance cycle	10,000 Cycles

### Physical Characteristics

Dimension	: Dia 25mm
Thickness	: 1.2mm
Encasement	: PET
Weight	: 1.2 gm
Color	: Transparent
Quality Testing	: 100%

### Environmental Characteristics

Ingress Protection	: IP67
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +85°C
Application	: Off metal
Attachment/ mounting	: Adhesive

### Chemical Characteristics

■ Resistance to salt water exposure	: Yes
■ Resistance to lubricant exposure	: Yes
■ Resistance to IPA & thinner	: Yes

### Optional

■ Encoding/ Programming	: Yes
■ Logo and/or Text printing	: N/A

### Ordering code and descriptions

11K1N8101	: With EM4305
11K1N8102	: With EM4200
11K1N8103	: With NXP HitagS256

### Dimensions

