



# MESONTAGS

*the smarter way of identification*

## Description & Features

LF Quark Tag is a small sized passive RFID tag designed with excellent size to performance ratio. Quark tag is best solution specially for tracking & identification of IT assets like laptop, hard disc etc. it can be customized with different IC variants and memory area depending on requirement.



**LF QUARK TAG** (Part No. : 11P1N8401)

[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	: 56 x 16.5 x 6.3mm
Hole size	: 3.2mm
Encasement	: ABS/PC
Weight	: 4.3 gm
Color	: Grey (other upon request)
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 / Screw / Rivet

### 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	: Yes

### Ordering code and descriptions

11P1N8401	: With EM4305
11P1N8402	: With EM4200
11P1N8403	: With NXP HitagS256

### Dimensions

