



# MESONTAGS

*the smarter way of identification*

## Description & Features

UHF DuraMax tag is EPC class 1 Gen2 passive RFID tag, It's rugged construction and high durability make it best suitable for assets identification along with other applications like warehouse management, container management, waste management and many more. it can be customize with different IC variants and memory area depending on requirement.



**UHF DURAMAX TAG** (Part No. : 31BEY9901)

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

### Electrical Characteristics

Communication ISO Protocol	ISO/IEC 18000-6C, EPC Class – 1 Gen2
Operating Frequency band	865 MHz or 915 MHz
Chip type	<b>Alien Higgs-3 (Other upon request)</b>
Memory organisation	<ul style="list-style-type: none"> <li>• EPC–96 bits, extendible to 480bits</li> <li>• TID – 96 bits unalterable &amp;unique</li> <li>• User memory – 512 bits</li> <li>• Access password – 32 bits</li> <li>• Kill password – 32 bits</li> </ul>
Read Range	On metal – Up to 10m Off metal – Up to 2m
Data retention	50 Years
Endurance cycle	100,000 Cycles

### Physical Characteristics

Dimension	: 50 x 50 x 10mm
Hole size	: 5.0mm
Encasement	: ABS/PC
Weight	: 21 gm
Color	: Grey (other upon request)
Quality Testing	: 100%

### Environmental Characteristics

Ingress Protection	: IP67
Operating Temperature	: -25°C to +85°C
Storage Temperature	: -25°C to +85°C
Application	: On & Off metal both
Attachment/ mounting	: M5 Screw, rivet & VHB tape

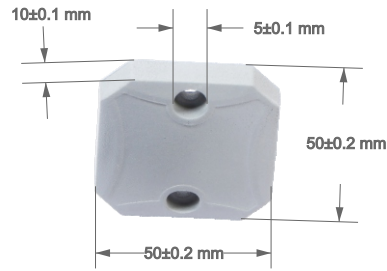
### Chemical Characteristics

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

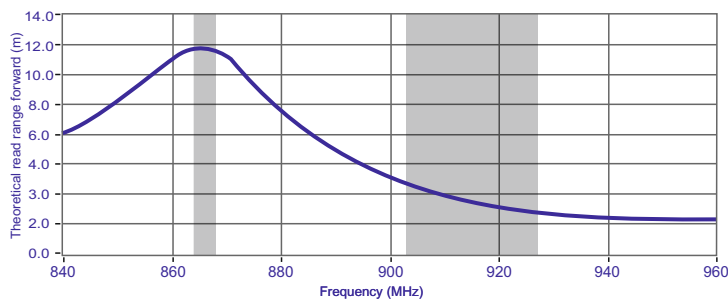
### Additional Customization

■ Encoding	: Yes
■ Logo/Text/Barcode printing	: Yes

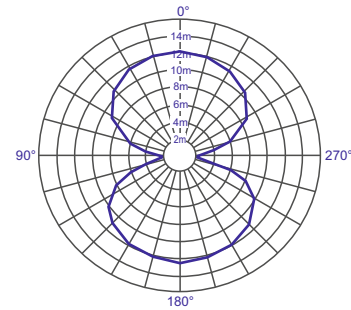
## Dimensions



## Liner Frequency band



## Orientation Readability



## Ordering code and descriptions

31BEY9901	With ALN-Higgs-3_EU
31BFY9901	With ALN-Higgs-3_US
31BEY9902	With ALN-Higgs-4_EU
31BFY9902	With ALN-Higgs-4_US