



MESONTAGS

the smarter way of identification

Description & Features

UHF Classic Tag is a small sized EPC class1 Gen2 passive RFID tag designed with excellent size to performance ratio. Classic 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.



UHF CLASSIC TAG (Part No.: 31DEY9901)

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	Alien Higgs-3 (Other upon request)
Memory Organization	<ul style="list-style-type: none"> • EPC–96 bits, extendible to 480bits • TID – 96 bits unalterable &unique • User memory – 512 bits • Access password – 32 bits • Kill password – 32 bits
Read Range	On metal – Up to 3.5m Off metal – Up to 2m
Data retention	50 Years
Endurance cycle	100,000 Cycles

Physical Characteristics

Dimension	: 39 x 12 x 3.5mm
Slot size	: 1.5 x 17mm
Encasement	: ABS/PC
Weight	: 1.8 gm
Color	: Grey (other upon request)
Quality Testing	: 100%

Environmental Characteristics

Ingress Protection	: IP54
Operating Temperature	: -25°C to +85°C
Storage Temperature	: -25°C to +85°C
Application	: On metal
Attachment/ mounting	: Adhesive / Cable tie

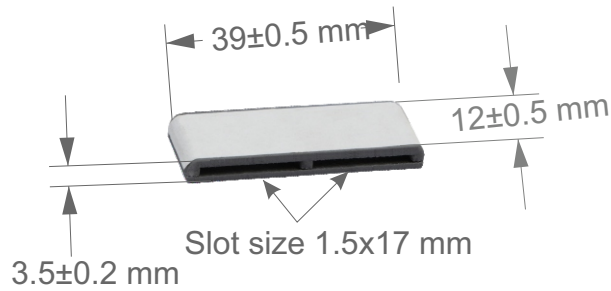
Chemical Characteristics

■ Resistance to salt water exposure	: No
■ Resistance to lubricant exposure	: Limited
■ Resistance to IPA & thinner	: Limited

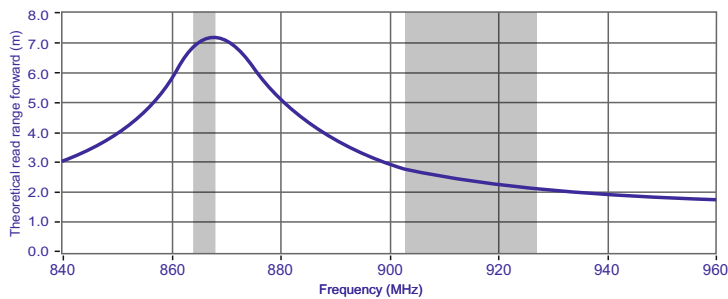
Additional Customization

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

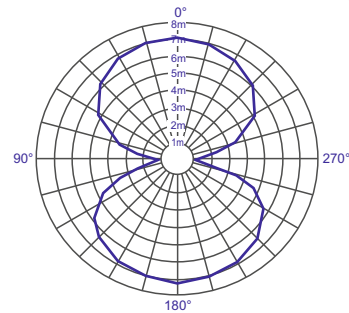
Dimensions



Frequency v/s read range graph



Orientation Readability



Best readability at 0° and 180° (i.e. Parallel to the reader antenna polarisation)
Worst readability at 90° & 270° (i.e. Perpendicular to the reader antenna polarisation)

Ordering code and descriptions

31DEY9901	With ALN-Higgs-3_EU
31DFY9901	With ALN-Higgs-3_US
31DEY9902	With ALN-Higgs-4_EU
31DFY9902	With ALN-Higgs-4_US