



Description & Features

UHF Key Ring Tag is EPC class 1 Gen 2 passive RFID tag. it can be exclusively used for access security purpose and for asset tracking purpose in industrial & logistics application too. Customization can be done with different IC variants and memory area depending on requirement.



UHF KEY RING TAG (Part No. : 31GEN9701)

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	Off metal – Up to 4m (reader & environment dependent)
Data retention	50 Years
Endurance cycle	100,000 Cycles

Physical Characteristics

Dimension	: 50 X 35mm
Thickness	: 5.0mm
Hole size	: 2.5 x 8mm
Encasement	: ABS/PC
Weight	: 3.2 gm
Color	: Grey
Quality Testing	: 100%

Environmental Characteristics

Ingress Protection	: IP67
Operating Temperature	: -25°C to +85°C
Storage Temperature	: -25°C to +85°C
Application	: Off metal
Attachment/ mounting	: Adhesive / Cable tie

Chemical Characteristics

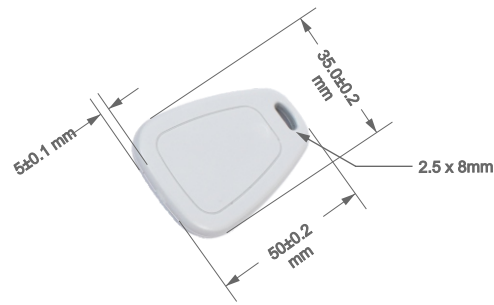
■ Resistance to salt water exposure	: Yes
■ Resistance to lubricant exposure	: Yes
■ Resistance to IPA & thinner	: Yes

Additional Customization

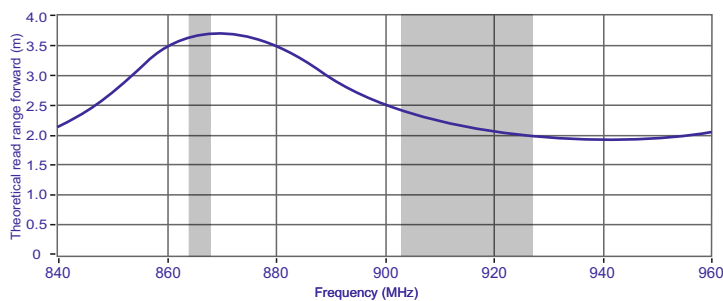
■ Encoding	: Yes
■ Logo/Text/Barcode printing	: Yes

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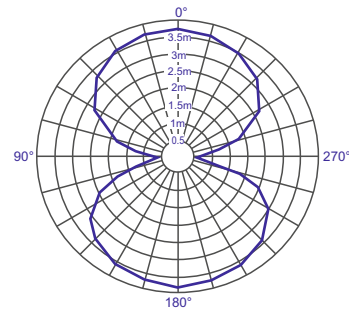
Dimensions



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

31GEN9701	With ALN-Higgs-3_EU
31GFN9701	With ALN-Higgs-3_US
31GEN9702	With ALN-Higgs-4_EU
31GFN9702	With ALN-Higgs-4_US