



MESONTAGS

the smarter way of identification

Description & Features

UHF “Gravito tag” is long range passive RFID tag fully compliant to ISO/IEC 18000-6C protocol. it is specially developed to track and identify the metallic and non metallic objects. Its encasement is made up of high quality engineering plastic which makes it highly durable and robust for outdoor application and can be customize with different IC variants and memory area depending on requirement.



UHF GRAVITO TAG (Part No. : 31AEY9304)

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 12m Off metal – Up to 8m
Data retention	50 Years
Endurance cycle	100,000 Cycles

Physical Characteristics

Dimension	: 150 x 23 x 15mm
Hole size	: Dia 5mm
Encasement	: Engineering Plastic
Weight	: 26gms
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	: On & Off metal both
Attachment/ mounting	: M5 Screw, rivet & VHB tape

Chemical Characteristics

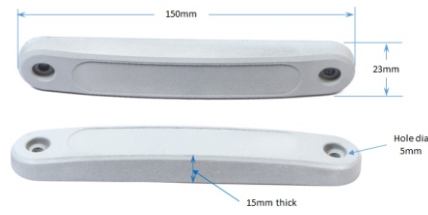
■ Resistance to salt water exposure	: Yes
■ Resistance to lubricant exposure	: Yes
■ Resistance to IPA & thinner	: Yes

Additional Customization

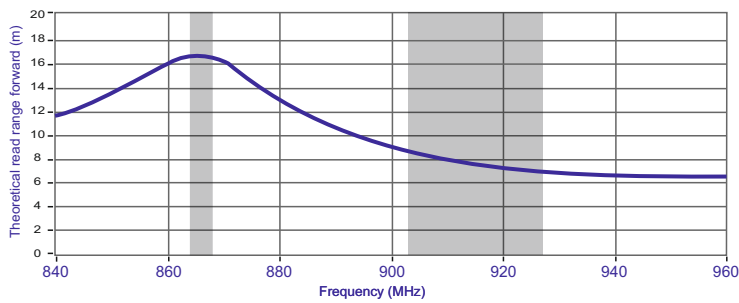
■ Encoding	: Yes
■ Logo/Text/Barcode printing	: Yes



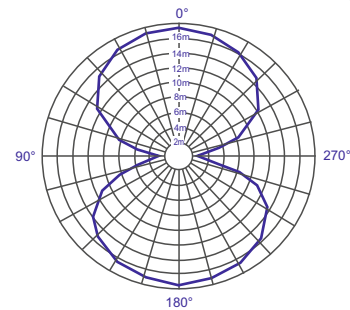
Dimensions



Frequency v/s read range graph



Orientation Readability



Ordering code and descriptions

31AEY9304	With ALN-Higgs-3_EU
31AFY9304	With ALN-Higgs-3_US
31AEY9305	With ALN-Higgs-4_EU
31AFY9305	With ALN-Higgs-4_US