MESONTAGS

the smarter way of identification

Description & Features

UHF Quark Tag is a small sized EPC class1 Gen2 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.

UHF QUARK TAG (Part No.: 31CEY9901)

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	• 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	: 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	: -25°C to +85°C
Storage Temperature	: -25°C to +85°C
Application	: On metal
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

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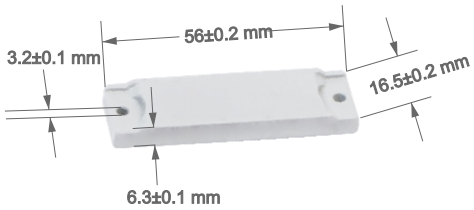
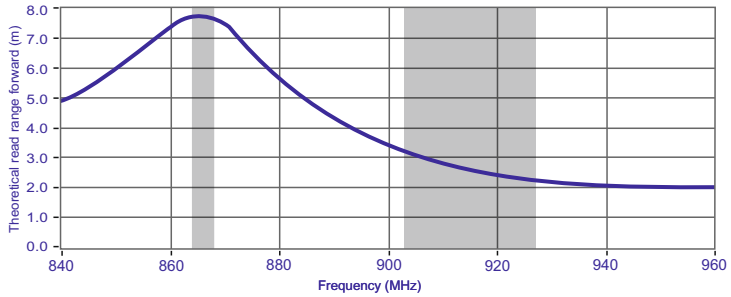
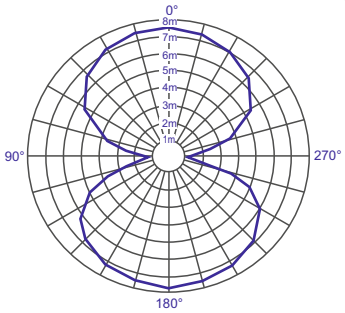
Dimensions



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

31CEY9901	With ALN-Higgs-3_EU
31CFY9901	With ALN-Higgs-3_US
31CEY9902	With ALN-Higgs-4_EU
31CFY9902	With ALN-Higgs-4_US

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