



MESONTAGS

the smarter way of identification

Description & Features

UHF Trace-It tag is passive RFID label tag designed for metal application. It is fully compliant to ISO/IEC 18000-6C, EPC Class 1, Gen2 protocol.

Since it is a flexible tag, it can be placed easily on uneven surfaces, such as steel boiler, metal containers, steel pipe, etc. It gives a moderate read range, especially on metal. Any logo, numbers & text can be printed by an RFID printer.



UHF TRACE-IT TAG (Part No.: 31NEY8803)

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	Impinj Monza R6-P (Other upon request)
Memory Organization	<ul style="list-style-type: none"> • EPC–96 bits, extendible to 128bits • TID – 96 bits unalterable &unique • User memory – 64 bits • Access password – 32 bits • Kill password – 32 bits
Read Range	On metal - Up to 5m (depends on reader & environment) Off metal - up to 3m
Data retention	50 Years
Endurance cycle	100,000 Cycles

Physical Characteristics

Dimension	: 95 x 22mm
Thickness	: 1.25mm
Encasement	: Polyester
Weight	: 1.4 gm
Color	: White
Quality Testing	: 100%

Environmental Characteristics

Ingress Protection	: IP54
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +85°C
Application	: On metal
Attachment/ mounting	: Strong Adhesive

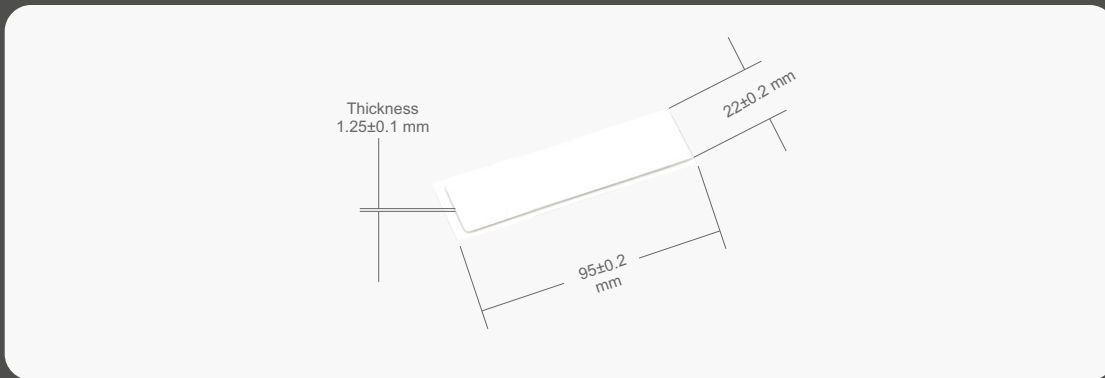
Chemical Characteristics

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

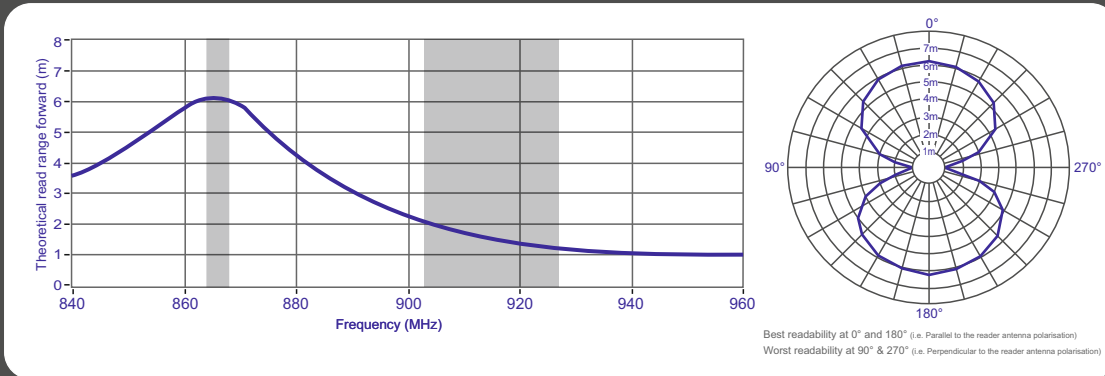
Additional Customization

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

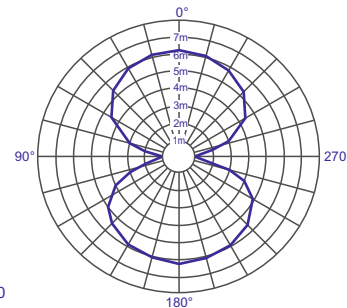
Dimensions



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

31NEY8803

With IMP-MR6-P_EU

31NFY8803

With IMP-MR6-P_US