

ASSET TAG

GTag-PAU40



About GT&T Engineering

GT&T Engineering (Global Track & Trace) founded in 2003 is a regional market leader providing track and trace solutions using Global Positioning Systems (GPS), General Packet Radio Services (GPRS) / Global System for Mobile Communication (GSM) and Radio Frequency Identification (RFID) based wireless communication. We are one of the region's leading integrated manufacturers of Long Range, Ultra-High Frequency, Active RFID tags and readers.

With these RFID inventions, GT&T's technology is used in a broad range of RFID applications worldwide including transport management, routing & scheduling, fleet management & tracking, workforce management, personnel & asset management, facility system management, supply chain management, logistics, waste & environment control management, pharmaceutical and medical, secure trade and e-documentation.

GT&T's core competencies are:

- R&D efforts
- Consultancy
- Application Development

Worldwide offices:

- Australia
- China
- Europe
- Indonesia
- Malaysia
- Thailand
- USA

DESCRIPTION

GT&T Engineering's HF/UHF Asset Tag is compliant with the EPC Class 1 Gen 2 for UHF & ISO15693 for HF. This product offers a user accessible memory of 96bits for UHF & 1Kbits for HF.

The frequency used for ultra high frequency UHF/HF RFID systems is 860~960MHz for UHF & 13.56MHz for HF. HF/UHF RFID systems are being widely deployed due to RFID mandates from several large cooperation, in retails & logistics sector. In addition to logistic tracking, HF/UHF systems are employed in various supply chain management applications and work extremely well in harsh and outdoor environment & suitable for metal tagging.

The HF/UHF product ranges by UPM Raflatec Alien technology, IER & etc. comprises the tags and inlays presented in the below table, in the following delivery formats;

FEATURES

UHF:-

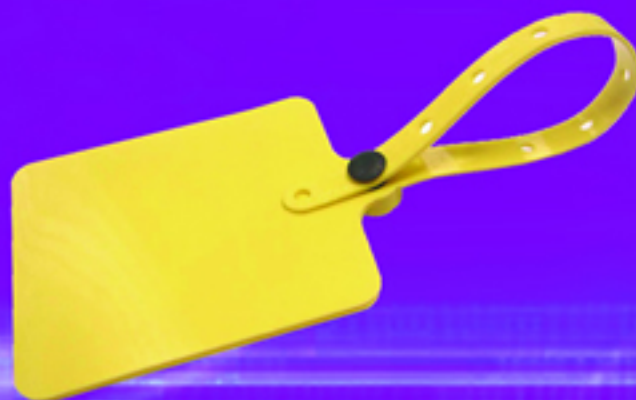
- Global: 860 - 960 MHz
- FCC: 902 - 928 MHz
- ETSI: 868 MHz
- Japan: 950 MHz
- Class 1 Gen 2 EPC Global• Global: 860 - 960 MHz

HF:-

- ISO/IEC 15693-2,-3; ISO/IEC 18000-3 Compliant
- 13.56 MHz Operating Frequency

APPLICATIONS

- Pallet tracking
- Asset tracking eg: bottle



ASSET TAG

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SPECIFICATION

PART NUMBER	RFID-2055-A
Supported Standard (HF)	ISO15693 compliant
Supported Standard (UHF)	EPC Class 1 Gen 2 compliant
Resonance Frequency (at +25° C) (HF)	13.56MHz
Resonance Frequency (at +25° C) (UHF)	860MHz ~ 960MHz
Total Memory (UHF), (HF)	*96 bits, *1024bits
Dimensions	**60mm x 50mm x 2mm
Weight	9 ± 0.2 grams
Case Material	TPU
Operating temperature	-40° C to +65° C (UHF), -25°C to +90°C (HF)
Storage temperature	+20°C, 50%RH , -25° C to +100° C
HTS	120°C, 50hrs
Logo Identification	CO2 / Yag laser marking
Mechanical Stability	Isostatic water pressure : 10 bar (10h)
Delivery	Pending

* Subjected to inlay specification. It means it can be >96bits memory.

** Subjected to change for custom-made design.

Note: For highest possible read-out coverage we recommend to operate readers at a modulation depth of 20% or higher for HF.



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