CATTLE TAG
GTag-PCU40

SPECIFICATION

PART NUMBER	RFID-3088-A
Supported Standard (UHF)	ISO/IEC 15693-2,-3; ISO/IEC 18000-3
Supported Standard (UHF)	EPC Class 1 Gen 2 complaints
Resonance Frequency (at +25° C) (HF)	13.56 MHz ± 300 kHz
Resonance Frequency (at +25° C) (UHF)	860 MHz ~ 960 MHz
Total Memory (HF)	*1K bits
Total Memory (UHF)	*96 bits
Dimensions	**83mm x 53mm x1.8mm
Weight	6.8 ± 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 Identation	CO2 / Yag laser marking
Mechanical Stability	Isostatic water pressure: 5 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
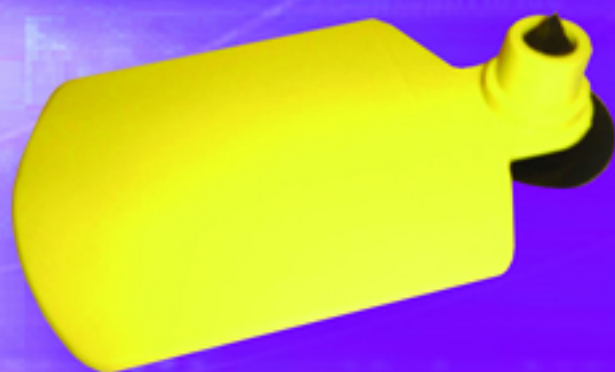
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About GT&T Engineering

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 Cattle Tag is compliant with the ISO15693 / EPC Class 1 Gen 2. This product offers a user accessible memory of 1Kbits for HF/ 96bits for UHF.

The frequency used for high frequency HF/UHF RFID systems is 13.56 MHz for HF & 860~960MHz for UHF. HF/UHF RFID systems are being widely deployed due to RFID mandates from several large farms in Australia, New Zealand & South America region. In addition to agriculture, HF/UHF systems are employed in various supply chain management applications and work extremely well in harsh and outdoor environment.

The HF/UHF product ranges by Magellan/Infineon for HF & Alien / Rafsec for UHF comprises the tags and inlays presented in the below table, in the following delivery formats;

FEATURES

HF:-
• ISO/IEC 15693-2,-3; ISO/IEC18000-3 Compliant
• 13.56 MHz Operating Frequency

UHF:-
• Global: 860 - 960 MHz
• FCC: 902 - 928 MHz
• ETSI: 868 MHz
• Japan: 950 MHz

APPLICATIONS
• Cattle tracking
• Asset tracking