

Ultra High Frequency (UHF) RFID Tag Series

(Model: HKRUT/HKRST)

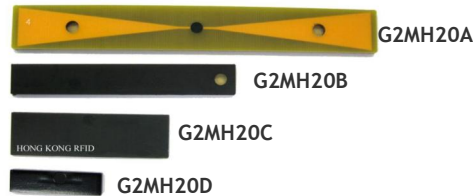
Blood Bag UHF RFID Label



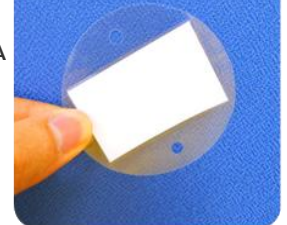
UHF Tire Tag



Ultra-thin High Temperature Tag



Concrete Tag



Model code	HKRUT-8838	HKRUT-T05	HKRST-G2MH20X				HKRST-CLQ1
Chip Type	Paper Label	Tire tag	Fastener (G2MH20A)	Basic (G2MH20B)	Ultra-thin (G2MH20C)	Smallest (G2MH20D)	Concrete / Water tag
Chip Type	Impinj Monza 3, EPC Class 1 Gen 2 ISO18000-6C	EPC Class 1 Gen 2 ISO18000-6C	EPC Class 1 Gen 2 ISO/IEC18000-6C				Impinj Monza 3, EPC Class 1 Gen 2 ISO/IEC18000-6C
Operating Frequency	UHF 902-928 MHz	UHF 902-928 MHz	UHF 902-928 MHz				UHF 902-928 MHz
Read Range	Up to 6m (Depend on environments)	Up to 2m on air (30db, linear antenna, may depend on environments)	1.5m - 3.5m	1.0m - 3.0m	0.3m - 1.2m	0.6m - 1.5m	Air: Up to 2m 30mm Concrete: 20cm above surface Water(1kg): up to 20cm on tag
Memory	96 bits	EPC 96bit storage	Tag ID: 32 bits, EPC: 96 bits, Access: 32 bits, Kill: 32 bits				EPC: 96 bits, Access: 32 bits, Kill: 32 bits
Encapsulation	Paper (with adhesive)	Material: Teslin	RoHS Compliance (optional: with adhesive)				PVC Plastic
Dimension	88 x 38 x 0.3mm	60 x 37 x 0.2mm	152 x 29 x 3mm	92 x 16 x 2.8mm	65 x 19 x 1.4mm	38 x 10 x 2.8mm	65mm diameter, 0.2mm thickness
Special Features	Tamper proof, Waterproof, Printable	Withstand high temperature, Waterproof	Robust, Impact-proof, Easy Fastening, Ultra-thin design, Heat Resistance, Mount-on metal				-
Others	Operating Temperature: -25°C - +85°C	-	Industrial Standard: IP68				Industrial Standard: IP68
	Storage Temperature: -40°C - +125°C	-	Thermal Shock: 200°C for 6 hours				-
	Humidity: 65°C/95%RH, 168 hours	-	Humidity: 85°C/85%RH for 168 hours				Humidity: 85°C/85%RH for 168 hours
	ESD voltage immunity: +/- 2KV peak	-	Physical Shock: 500m/s ² for 100 times				Physical Shock: 500m/s ² for 100 times
	Memory Storage: >10yrs, according to chip specifications	-	Pressure Sensitive: 3M468MP (US) Default Adhesive Tape: 3M9472LE (US)				Temperature: -40°C - +85°C

Distributor:

UHF RFID Tag Series

Applications:

- Blood Bag Identification
- Tire Management
- Construction and Industrial Applications
- Concrete / Liquid Applications
- High Temperature Environment
- Laundry Applications



Strap Tag



UHF Laundry Tag

Mount-on-Metal Tag for Industrial Applications



Model code	HKRUT-Z01	HKRUT-L05	HKRUT-G2M5	HKRST-G1M1	HKRUT-G2M3
	Strap tag	Laundry tag	Mount-on-Metal Tag		
Chip Type	EPC Class 1 Gen 2	EPC Class 1 Gen 2	EPC Class 1 Gen 2 ISO/IEC18000-6C	EPC Class 1 Gen 2	EPC Class 1 Gen 2 ISO18000-6C
Operating Frequency	UHF 902-928 MHz	UHF 902-928 MHz	UHF 902-928 MHz	UHF 902-928 MHz	UHF 902-928 MHz
Read Range	Up to 6m (Depend on environments)	1.3m approx for circular polarized antenna	Air: Up to 1.5m On Metal: Up to 2m	Up to 6m (Depend on environments)	Up to 6m (Depend on environments)
Memory	User Memory 512bit	-	User memory: 512 bits EPC: 96 bits, Access: 32 bits, Kill: 32 bits	User Memory 512bit, EPC: 128bit, scalable to 240bit TID: 64 bit, (incl. 32bit serial#) Access: 32 bits, Kill: 32 bits	96 bits or 256 bits
Encapsulation	-	Soft rubber with ceramic support	PC Plastic, RoHs Compliance, (optional: with adhesive)	ABS Plastic (with adhesive)	ABS Plastic (optional: with adhesive)
Dimension	980 x 11 x 0.2mm	60 x 15 x 1.6mm	80 x 31 x 10mm	205 x 25.5 x 0.6mm	135 x 22 x 12mm
Special Features	-	-	Chemical Residence	-	-
Others	-	Alkali resistant; waterproof; washable over 100 times	Operating Temperature: -25°C - +85°C		
	-	Heat resistance :200°C iron (up to 10sec); pressure resistance -2.5 tones/m2.	Storage Temperature: -40°C- +125°C		
	-	Wash and iron resistance: JIS L 0217 102 ; 100 times ; 301 : 100 times	Humidity: 65°C/95%RH, 168 hours		
	-	Chlorine bleach resistance: JIS L 0856 strong test: 10times	ESD voltage immunity: +/- 2KV peak		
-	Dry cleaning / Iron resistance: JIS L0217 401: 70 times; 301: 70 times (Commercial dry cleaning)	Memory Storage: >10yrs			

