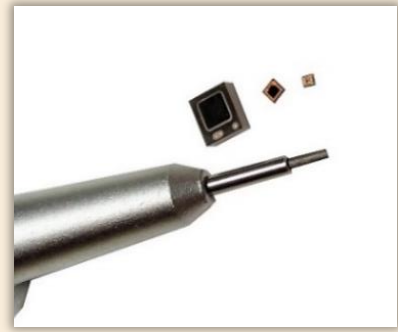


The world smallest RFID Tag

# Extreme Tag

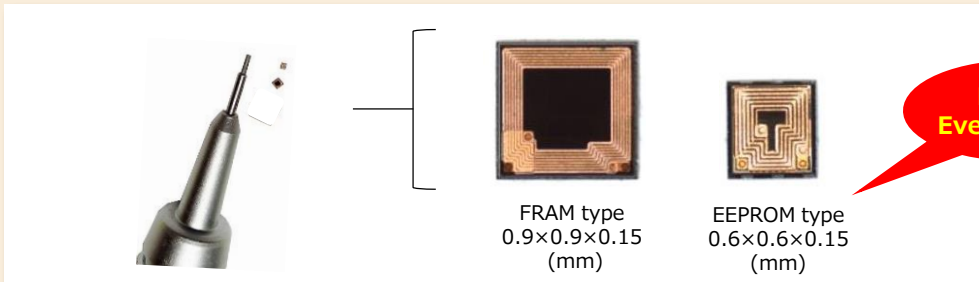


“ Small size ” expand the “ infinite possibility ”

## ◆ Strength and Features of our RFID tag products

### Extreme Tag

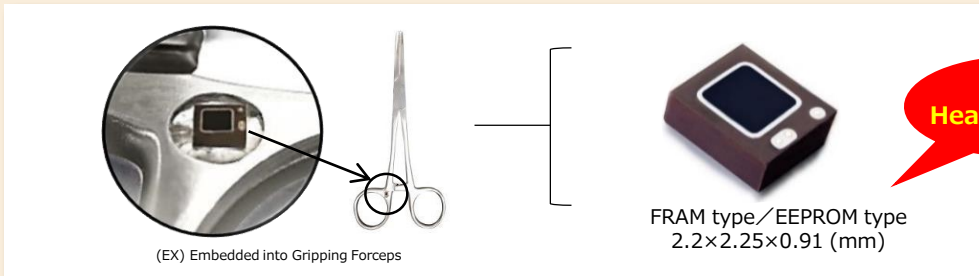
The World's smallest class of μm size



This μm size is the biggest feature

### Extreme Tag Metal Version

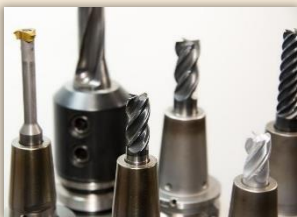
RF communication is available even embedded into Metal or Plastic resin



Make “On-site History management” more efficient

## ◆ Example of use

Consumable parts management



Notification of Replacement  
Timing and history

Authenticity management of Jewelry



Parts management and traceability of jewelry

Medical device management



Package reading of multiple medical device

Ecology management of Insects



Ecology of insects  
Could be traceable first

## Extreme Tag

**NEW**

Items	FRAM Type	EEPROM Type	Heat-resistant
Product number	FT-F10	FT-E10	
Outer size	0.9 × 0.9 × 0.15 (mm)	0.6 × 0.6 × 0.15 (mm)	
Career Frequency	UHF band : 860~960 MHz (Japan)	UHF band : 860~960 MHz (Japan)	
Communication standard	EPC global Class 1 Generation 2 (C1G2) Ver.1.2.0 conformed ISO/IEC 18000-63 conformed	EPC global Class 1 Generation 2 (C1G2) Ver.1.1.0 conformed ISO/IEC 18000-63 conformed	
Memory size	TID : 176 bits (Non rewritable) EPC Code : 128 bits (Rewritable)	TID:64 bits (Non rewritable) EPC Code:96 bits (Rewritable)	
Readable distance ※1	Longer than 2.0 mm	Longer than 2.5 mm	
Thermal condition ※1	Operation +10~+35°C (No DEW condensation) Non-operation -15~+55°C (No DEW condensation)	Operation -30~+80°C (No DEW condensation) Non-operation※2 -30~+150°C (No DEW condensation)	
Storage condition※1	-15~+55°C (No Dew condensation)	-15~+55°C (No DEW condensation)	

## Extreme Tag Metal Version

**NEW**

Items	FRAM Type	EEPROM Type	Metal compatible	Heat-resistant
Product number	MT-F10	MT-E10		
Outer size	2.5 × 2.2 × 0.9 (mm)	2.5 × 2.2 × 0.9 (mm)		
Career Frequency	UHF band : 860~960 MHz (Japan)	UHF band : 860~960 MHz (Japan)		
Communication standard	EPC global Class 1 Generation 2 (C1G2) Ver.1.2.0 conformed ISO/IEC 18000-63 conformed	EPC global Class 1 Generation 2 (C1G2) Ver.1.1.0 conformed ISO/IEC 18000-63 conformed		
Memory size	TID : 176 bits (Non rewritable) EPC Code : 128 bits (Rewritable)	TID:64 bits (Non rewritable) EPC Code:96 bits (Rewritable)		
Readable distance※1	Max 4.0 mm 3.0 mm in case of attaching on the metal surface	Max 5.0 mm Max 4.0 mm in case of attaching on the metal surface		
Writable distance ※1	Max 4.0 mm 3.0 mm in case of attaching on the metal surface	Max 3.2 mm 2.5 mm in case of attaching on the metal surface		
Thermal condition ※1	Operation +10~+35°C (No DEW condensation) Non-operation -15~+55°C (No DEW condensation)	Operation -30~+80°C (No DEW condensation) Non-operation※2 -30~+150°C (No DEW condensation)		
Storage condition※1	-15~+55°C (No DEW condensation)	-15~+55°C (No DEW condensation)		

※1 depend on Internal evaluation environment and condition

※2 at a premise that total heating time up to 150°C is 1 hour/day and annual operating days are 260 days.

## ◆ Trial kit

### Want to try our tags?



#### 【 Basic composition】

- Extreme Tag: 50 pieces & Metal Version : 20 pieces  
(Small Antenna、R/W module and standard software are included)



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