



RFID Electronic Seal

(RFID E-Seal)



User Guide

Size Specification

Length	$117.5 \pm 2 \text{ mm}$	
Width	$24 \pm 1 \text{ mm}$	
High	$24 \pm 1 \text{ mm}$	
Weight	$65.5 \pm 2 \text{ g}$	
PIN		
Length	$76.8 \pm 2 \text{ mm}$	
Weight	$21.2 \pm 1 \text{ mm}$	
Weight	$35.5 \pm 1 \text{ g}$	
BUSH		
Length	$60 \pm 1 \text{ mm}$	
Weight	$24 \pm 1 \text{ mm}$	
Weight	$29.7 \pm 1 \text{ g}$	

Electronic Characteristic

RFID Feature

Frequency	UHF 860~960 MHz
Protocol	EPC GLOBAL C1G2 (ISO 18000-6C)
Operating temperature	-30°C to +80°C
Ingress Protection	IP65

Tamper Proof Demand

1. Can't be read before use.
2. CAN BE READ WHEN USE.
3. Can't be read after cut



Reading Range (@4W EIRP) by Impinj R420

6 M

6 M



Passive RFID E-seal Memory

ISO 17712:2013(E) High Security E-seal



1. Color case
2. Color print
3. Barcode print
4. Company mark or logo print
5. UHF Reading Range **6M** up
6. Powered by **Higgs 4** or **Monza 4**
7. Frequency Range : 860-960MHz
8. Use only once

Alien Higgs 4 Memory

EPC	128 bit	TID	96 bit
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User memory	128 bit
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Impinj Monza 4E Memory

EPC	496 bit	TID	96 bit
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User memory	128 bit
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For example : ABCD12345678

“ABCD” is the letter that need 8 bits ASCII

“12345678” is Hexadecimal that need 4 bit by HEX

Alien Higgs 4 total memory are **256 bits**

Impinj Monza 4E total memory are **624 bits**

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