B-Id GmbH & Co. KG
von-Seebach-Str. 28
34346 Hann. Münden
Germany

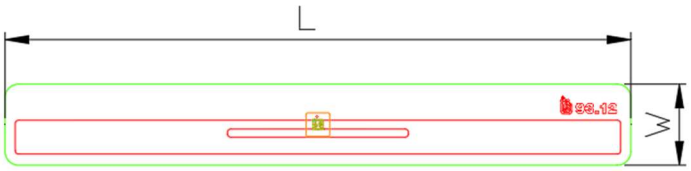
www.b-id.eu
Info@b-id.eu

Product specification			
Part Number	R6P_9312W	Model No.	A

Description & Features :

Standard : ISO 18000-6C/ EPC G2 V2 ; Impinj R6P Wet Inlay ; Stable and good read distance covered whole RAIN RFID region from 860~960 MHz in free space ; Anti UV and IP 65 ; Adapted on vehicle windshield and scooter headlight outdoor harsh Surroundings .

(a) Antenna Size

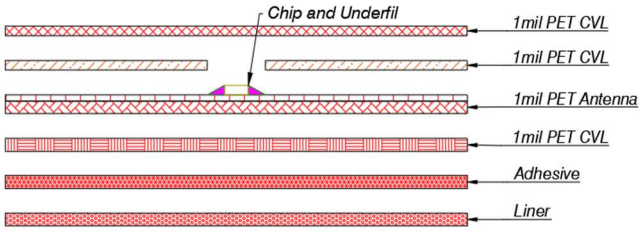


(a1)

Antenna Inlay (mm)	
L	93
W	12

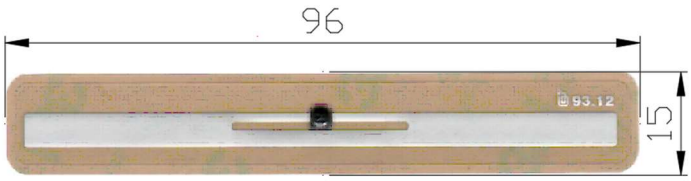
(a2)

(b) Inlay Stack



(b1)

(c) Wet Inlay Appearance



(c1)

Wet Inlay (mm)	
X	96
Y	15

(c2)

(d) Chip Information

(d1)

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Features

- Impinj R6-P UHF RFID Chip.
- Read sensitivity of up to -22.1 dBm.
- Write sensitivity of up to -17.3 dBm.
- Fast memory write speed of 1.6 ms for 32 bits.
- Up to 128 bits of EPC memory
- 96 bits of Serialized TID with 48-bit serial number
- Up to 64 bits of user memory
- RAIN RFID / ISO 18000-63 and EPC global Gen2v2 compliant

(d2)

Electrical Characteristics		
Memory Section	Default Memory Profile	Max User Memory Profile
User	32 bits	64 bits
TID	S/N 48 bits	S/N 48 bits
	Extended TID Header 16 bits	Extended TID Header 16 bits
	Model No. 32 bits	Model No. 64 bits
EPC	128 bits	96 bits
Reserved	Chip Configuration	Chip Configuration
	Kill Password 32 bits	Kill Password 32 bits
	Access Password 32 bits	Access Password 32 bits000
IC Shelf Life	100K programming cycles , 50 Years Data Retention	
ESD Immunity	Max. 2KV	

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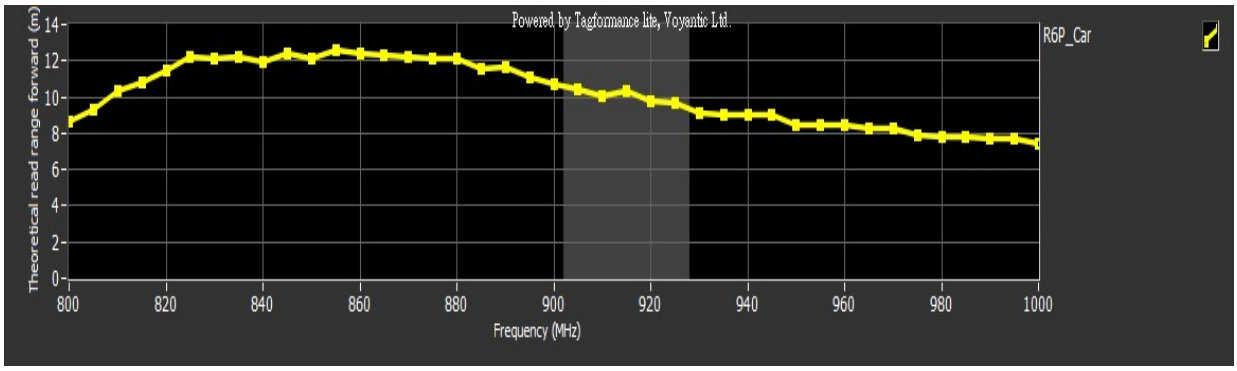
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(e) Environment

(e1)

Environment Condition	
Operation Temperature	-40 to 85 °C / 20%~90% RH
Storage	-20 to 50 °C / 20%~90% RH
Suggestion Storage	-20 to 30 °C / 50% RH

(f) Performance Sweep



(g) Deliver Illustration



(g1)Roll Form

(h) Quality Control

MIL-STD-105E AQL 2.5% K=2 Sampling Procedures.

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