

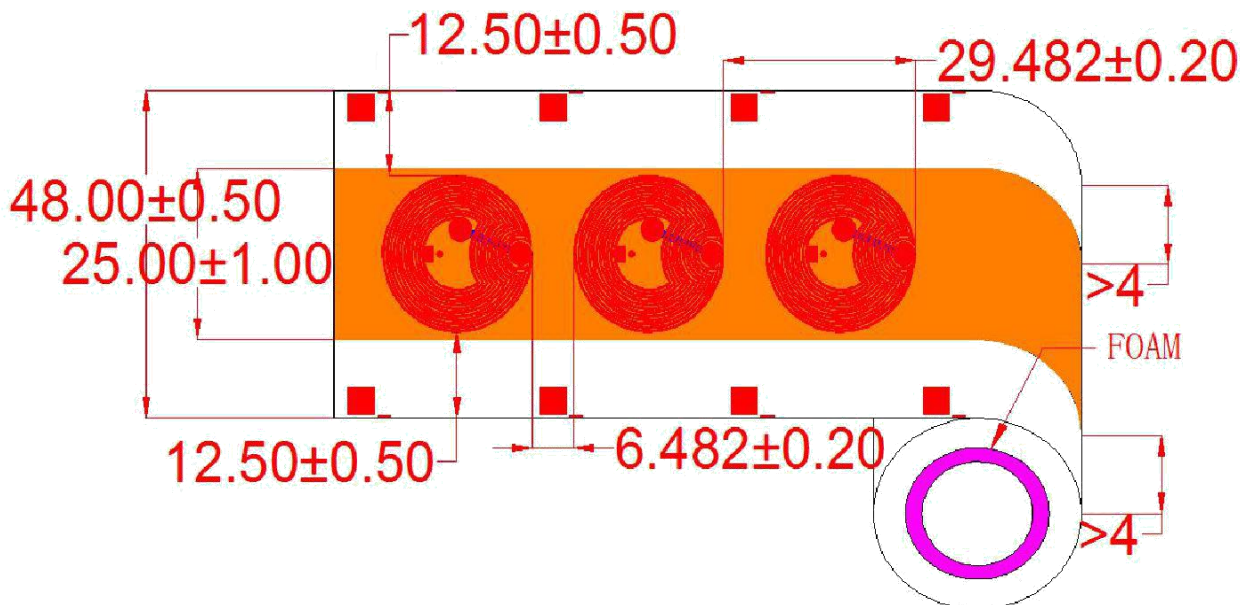
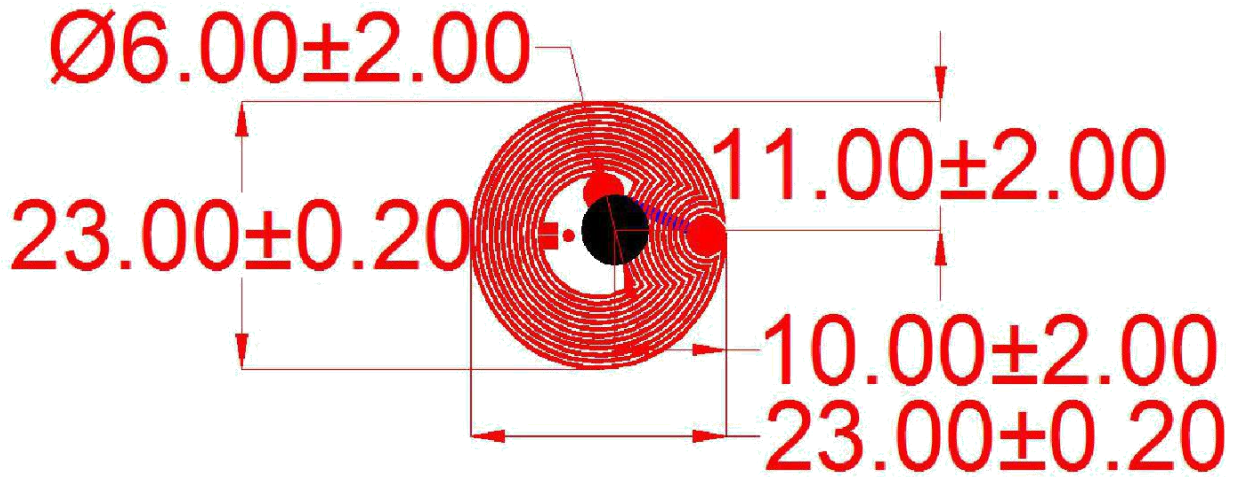
NO./Ver.	Specifications	Page	1/3
RS-SPE-20190003/A		Date	2019.08.28

**ø23mm\_D213 Dry**

KH-RFID-23-BQ

1 (Specification of Final Product)

1.1 (Appearance)

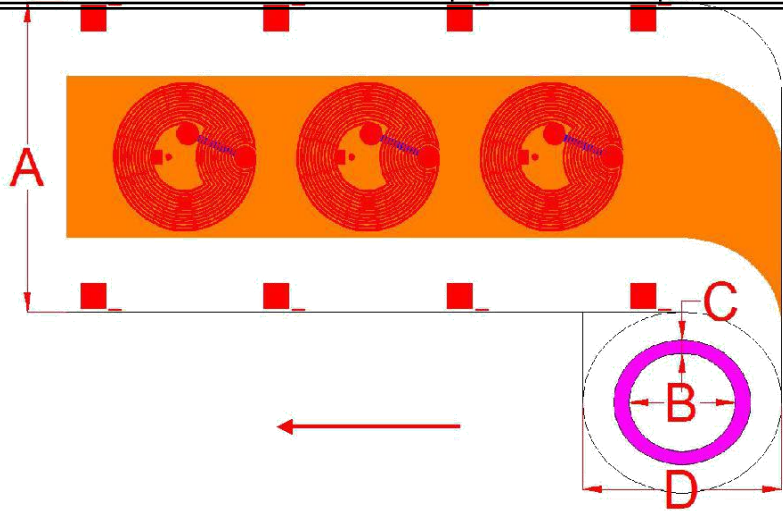


Dry Inlay Front Side

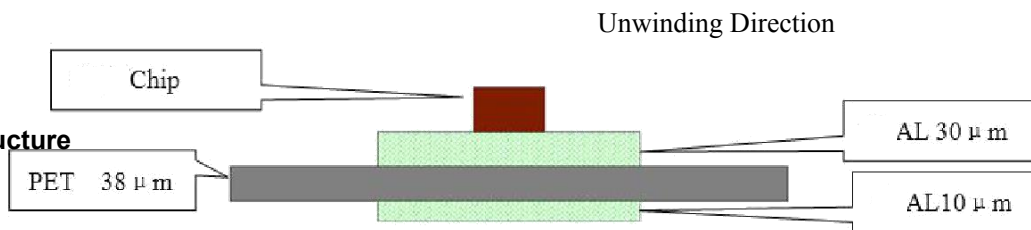
NO. /Ver.	Specificationu	Page	2/3
RS-SPE-20190003/A		Date of preparation/ revision	2019.08.28

## 1.2 Reel Detail

- A Web width:  $48.00 \pm 0.5\text{mm}$
- B Inner core diameter:  
 $3\text{inch}(76.20(+2.8/-0.4))$
- C Core thickness:  $5 \pm 0.5\text{mm}$
- D Roll size :  $\leq 330\text{mm}$



## 1.3 Structure



## 2 Electrical Characteristics

(Item)	(Description)	(Remarks)	
Manufacture /IC	KINGHELM ELECTRONIC/D213		
Base Material	PET		
Antenna	lapshear +Al(10μm) Etched Aluminum (30μm) + PET (38μm) +Etched Aluminum (10μm)		
Protocol	ISO 14443A		
Memory	EPC	None	Read & Write
	User Memory	1152 Bits	Read & Write

NO ./Ver.	Specifications	Page	3/3
RS-SPE-20190003/A		Date of preparation/ revision	2019.08.28

	TID/Unique TID	56 Bits	Read Only
	Password	None	Read & Write
Frequency		13.56MHz	
Operating Mode		Passive	
IC Life		100,000 Programming cycles, 50years data retention	
ESD Voltage Immunity		Max. 2000V	Human body mode(HBM)

### 3 (Environment Requirements)

(Operating Temperature/Humidity):  $-5\sim 60^{\circ}\text{C}$  / 20%~80% RH

(Storage Temperature/Humidity):  $20\sim 30^{\circ}\text{C}$  / 20%~60% RH

(Shelf Life): From the date of manufacture, 1 year in anti-static bag at  $20\sim 30^{\circ}\text{C}$  / 20%~60% RH

### 4 (Packaging)

20000±50 pcs/ roll,3rolls /carton. Carton dimension is 350\*350\*160 mm.