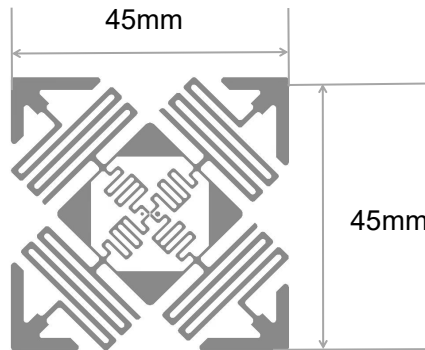




Datasheet

IDCF45-001

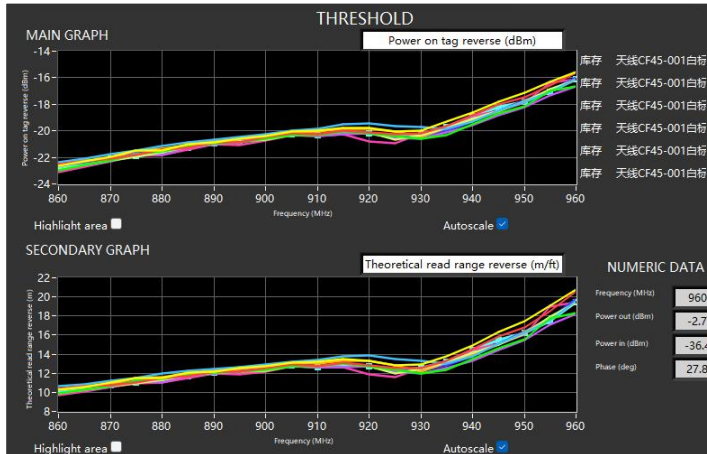
1. Dry Inlay



2. Technical Parameters

Item Name		Descriptions	Remark
Manufacturer/Chip		Fudan 11X	
Reading Sensitivity		-23dBm	
Writing Sensitivity		-23dBm	
Memory	EPC	128 bits(expandable to 528 bits)	Read&Write
	TID	96 bits	Read
	User	512 bits	
	Password	32-bit access&32-bit kill passwords	Read&Write
Antenna Programming		Aluminum etching Al(9μm)+PET(50μm)	
Antenna Size		45*45mm	dry inlay
Label Size		50*50mm or customized	wet inlay/white label
Surface	wet inlay	PET	
Material	white label	coated paper, PET, synthetic paper, etc.	coated paper > 80%
Compliant Standard		ISO/IEC 18000-6C, EPC Class1 Gen2	
Frequency		860-960MHz	
Read Range		Tested by handheld RFID readers, FCC(902-928MHz): 1-10m on the front and 1-8m on the back ETSI(865-928MHz): 1-6.4m on the front and 1-4.8m on the back	3D omnidirectional
Work Mode		passive	
Chip Life		write 100,000 times, save data for 50 years	
Chip ESD Protection		2000V	human body model (HBM)

3.Tagformance Graph



4.Warnings

4.1. When transporting and using, avoid contacting with water; no violent impact, no squeezing and no bending on the chip area.

4.2. Temperature and Humidity

Operating temperature/humidity: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C} / 20\% \sim 90\% \text{ RH}$.

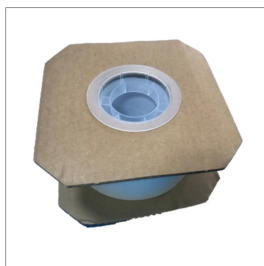
Storage temperature/humidity: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C} / 20\% \sim 90\% \text{ RH (non-condensing)}$.

Suggested storage temperature/humidity: $20^{\circ}\text{C} \sim 30^{\circ}\text{C} / 50\%$.

5.Packing

5.1. Shipment method: in roll, electrostatic bag+carton

5.2. Shipment quantity: 1250pcs/roll, 12 rolls per carton



①



②



③



④

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