



bibliotheca RFID tag™ fullDiscDVD

ISO 15 693, ISO 18 000-3 Mode 1, NXP ICode SLIX2

Item Code: TAG000005-000

mechanical dimensions

A	Antenna size	110 mm	± 0,5 mm	4,331 in
B	Die-cut size	116 mm	± 0,2 mm	4,567 in
C	Web width	141 mm	± 0,5 mm	5,551 in
D	Pitch, length per piece MD	124 mm	± 1,5 mm	4,882 in
E	Die-cut to web edge	12,5 mm	± 1,5 mm	0,492 in
O	Hole diameter	15,5 mm		
	Thickness of the IC	127 µm	± 15 %	
	Overall thickness of transponder package (excluding IC and siliconized paper)	265 µm	± 10 %	
	Thickness of the siliconized paper	110 µm	± 5 %	

electrical characteristics

Integrated Circuit (IC)	NXP ICode SLIX2
Air interface protocol	ISO 15 693, ISO 18 000-3 Mode 1
Operating frequency	13,56 MHz
Memory	2.5k bits user memory

general characteristics of transponder

Operating temperature (electronics parts)	-40 °C / +85 °C	-40 °F / 185 °F
Shelf life: From the date of manufacture 2 years in	+20 °C, 50 % RH	68 °F, 50 % RH
Bending diameter (D)	> 50 mm, tension less than 10 N	

delivery form

Transponder format	Die-cut
Transponder face material	Clear PET
Transponder backing material	Siliconized Paper 56
Transponder antenna material	Aluminum
Transponder adhesive	Neutral pH Radiation Cured UV Acrylic
Minimum delivery yield	99 %
Printability	Needs to be tested by customer

delivery details

Appearance	Single row reel form
Reel core	Paper core inner diameter 76 mm (3 in)
Transponder alignment	Chip at rear of transponder
Winding of the reel	Face out
Leader/Tail	1 m at both ends
Standard reel size	500 pcs/reel, Diameter: < 190 mm
Package size	500 pcs/box, Deliveries only in full packages, 1 roll per box

bibliotheca label performance guarantee

All bibliotheca RFID tag™ products must pass accelerated aging testing at 85°C and at 85% humidity for 15 weeks which included performance testing. Our entire range of RFID tag™ products, when handled according to our recommended practices, are guaranteed for the lifetime of the item to which they are affixed. Data Retention guaranteed for 50 years with a minimum of 100,000 read/write cycles.

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