



# bibliotheca RFID tag™ fullDiscDVD large ID

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

Item Code: TAG000005-001

## mechanical dimensions

<b>A</b>	<b>Antenna size</b>	110 mm	± 0,5 mm	4,331 in
<b>B</b>	<b>Die-cut size</b>	116 mm	± 0,2 mm	4,567 in
<b>C</b>	<b>Web width</b>	141 mm	± 0,5 mm	5,551 in
<b>D</b>	<b>Pitch, length per piece MD</b>	124 mm	± 1,5 mm	4,882 in
<b>E</b>	<b>Die-cut to web edge</b>	12,5 mm	± 1,5 mm	0,492 in
<b>O</b>	<b>Hole diameter</b>	41 mm		
	<b>Thickness of the IC</b>	127 µm	± 15 %	
	<b>Overall thickness of transponder package (excluding IC and siliconized paper)</b>	265 µm	± 10 %	
	<b>Thickness of the siliconized paper</b>	110 µm	± 5 %	

## electrical characteristics

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

## general characteristics of transponder

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

## delivery form

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

## delivery details

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

Although we make every effort to ensure information is correct at the time of release, it is possible that specifications and features may vary or change over time. bibliotheca therefore makes no representations or warranties as to the completeness or accuracy of the information contained within this document.

