

**DogBone Paper Tag**

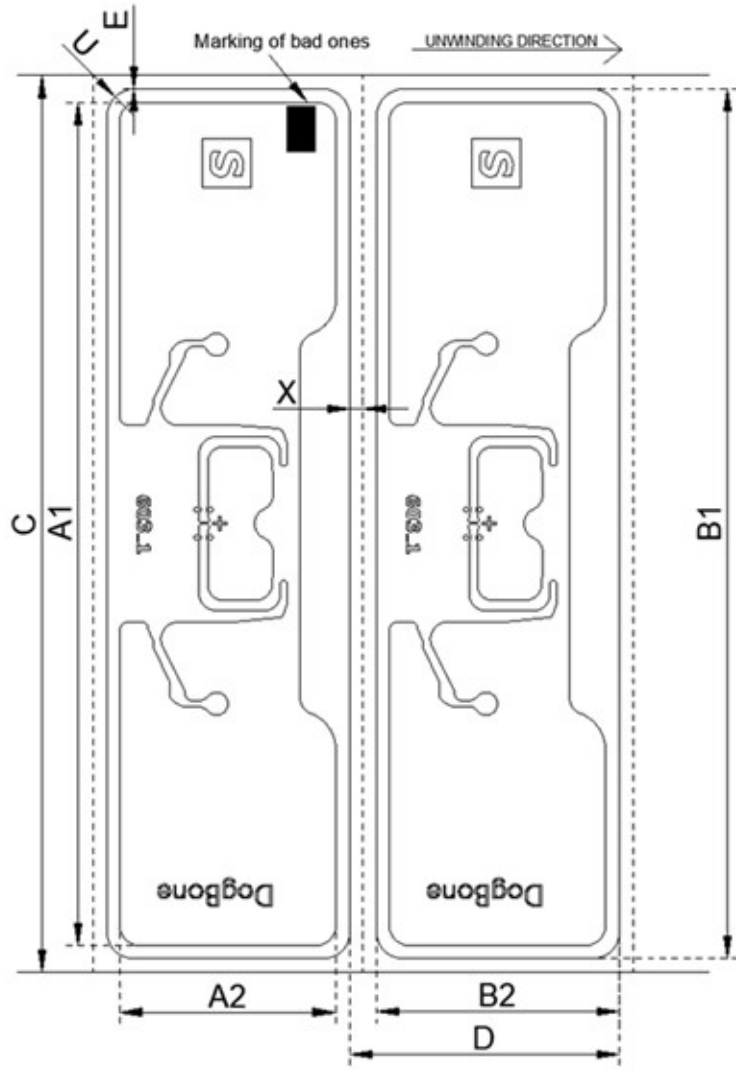
**EPC Class 1 Gen 2, ISO 18000-63**

**Impinj M750**

**Sales code 3008259**

### Mechanical dimensions

A1 x A2	Antenna size	94 x 24 mm	± 0,5 mm	3,701 x 0,945 in
B1 x B2	Die-cut size	97 x 27 mm	± 0,2 mm	3,819 x 1,063 in
C	Web width	100 mm	± 0,5 mm	3,937 in
D	Pitch, length per piece MD	30 mm	± 1,5 mm	1,181 in
E	Die-cut to web edge	1,5 mm	± 1,5 mm	0,059 in
U	Die-cut corner radius	3 mm		0,118 in
X	Die-cut to perforation line*	1,5 mm	± 1,0 mm	0,059 in
	*Perforation line 1mm open, 1mm close, 1 mm close at edge			



### Electrical characteristics

Integrated Circuit (IC)	Impinj M750	
Air interface protocol	EPC Class 1 Gen 2, ISO 18000-63	
Operation frequency	860 - 960 MHz	
Memory	96bit EPC + 32 bit	

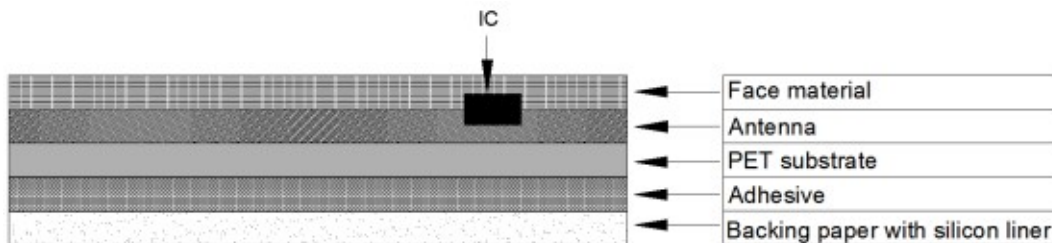
### General characteristics of transponder

Operating temperature (electronics parts)	-40 °C / +85 °C	-40 °F / 185 °F
ESD voltage immunity	± 2 kV peak HBM	
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	Opaque Matt Paper 79	
Transponder antenna material	Aluminum	
Transponder adhesive	S8025	
- labelling temperature	min. +5 °C	min. 41 °F
- usage temperature	-10 °C - 120 °C	14 °F - 248 °F
- peel	min. 12 N /25 mm ( FTM 2)	
Final inspection	100 %, known faulty ones marked	
Minimum delivery yield	97 %	
Reel Label	Reel number, Material number, Material description, Yield, Qty of functional inlays, Qty of non-functional inlays, Date	

### Structure



### Delivery details

Appearance	Single row reel form
Reel core	Paper core inner diameter 76 mm (3 in)
Winding of the reel	Face out
Reel size	3000 pcs/reel
Package size	6000 pcs/box Deliveries only in full packages.

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This technical specification replaces all earlier ones.

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