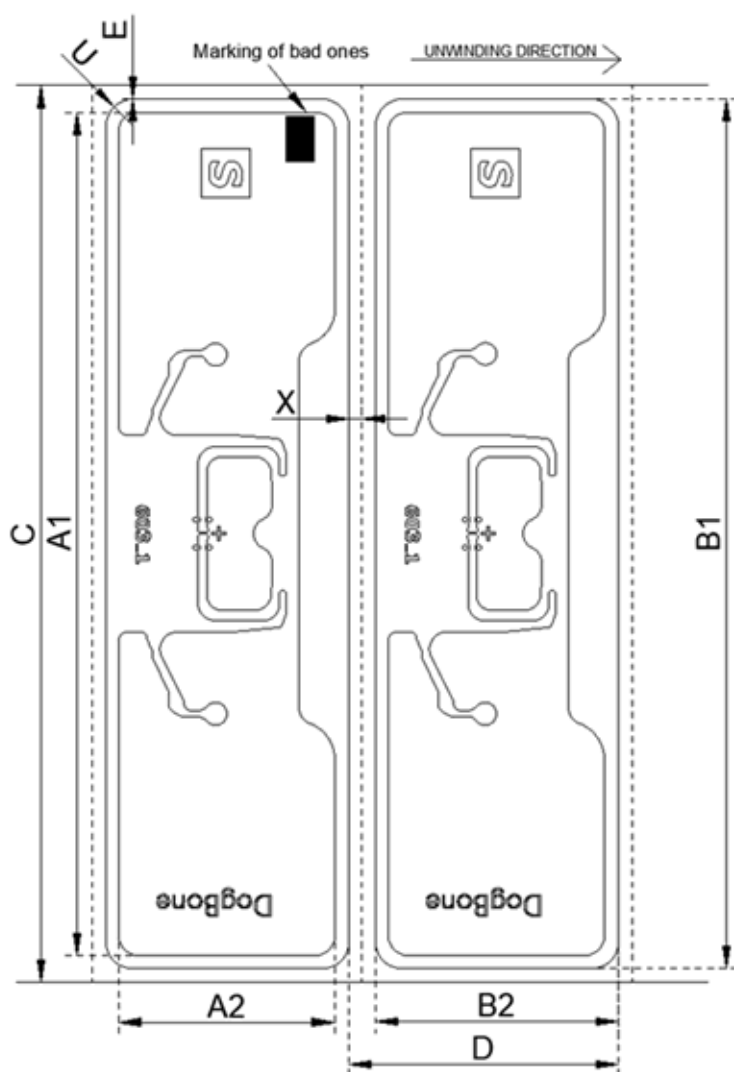


DogBone Paper Tag
EPC Class 1 Gen 2, ISO 18000-63
Impinj M750
Sales Code 3008259
Item Code : IL-604187
Mechanical dimensions

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

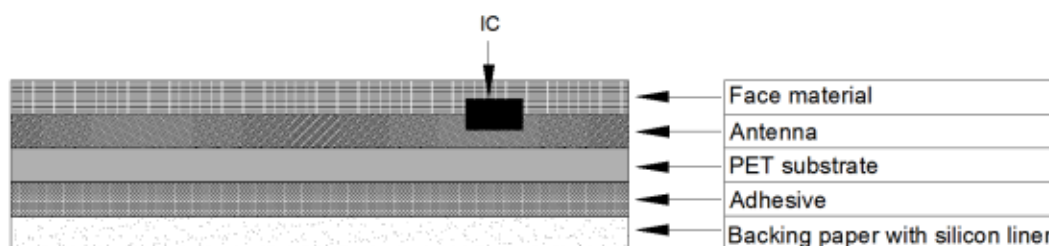
General characteristics of transponder

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	Mid-gloss paper	
Transponder antenna, antenna carrier	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	3000 pcs/box Deliveries only in full packages.

Disclaimer:

SMARTRAC reserves the right to change its products and services at any time without notice. Our recommendations are based on our best knowledge and experience. As the products are used outside our control we cannot take responsibility for any damage that may be caused when using the product. Use extra care in handling the product.

This technical specification replaces all earlier ones.

Version	2
Update date	25 February 2022
Author	SMARTRAC / TKailasvuo
Approved	SMARTRAC / 2/25/2022 Kelvin Low/Smartrac

