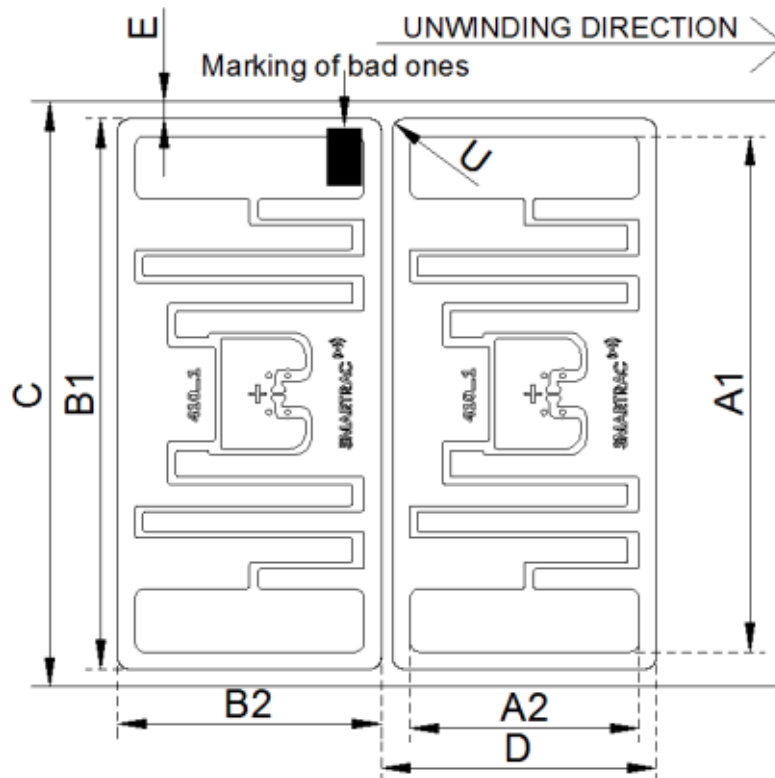


UHF 45x20 mm Wet Inlay
 EPC Class 1 Gen 2, ISO 18 000-6C
 Impinj Monza R6
 Sales code 3003227

Mechanical dimensions

A1 x A2	Antenna size	45 x 20 mm	± 0,5 mm	1,772 x 0,787 in
B1 x B2	Die-cut size	48 x 23 mm	± 0,2 mm	1,890 x 0,906 in
C	Web width	51 mm	± 0,5 mm	2,008 in
D	Pitch, length per piece MD	24 mm	± 1,5 mm	0,945 in
E	Die-cut to web edge	1,5 mm	± 1,5 mm	0,059 in
U	Die-cut corner radius	1 mm		0,039 in



Electrical characteristics

Integrated Circuit (IC)	Impinj Monza R6
Air interface protocol	EPC Class 1 Gen 2, ISO 18 000-6C
Operation frequency	860 - 960 MHz
Memory	96 bit

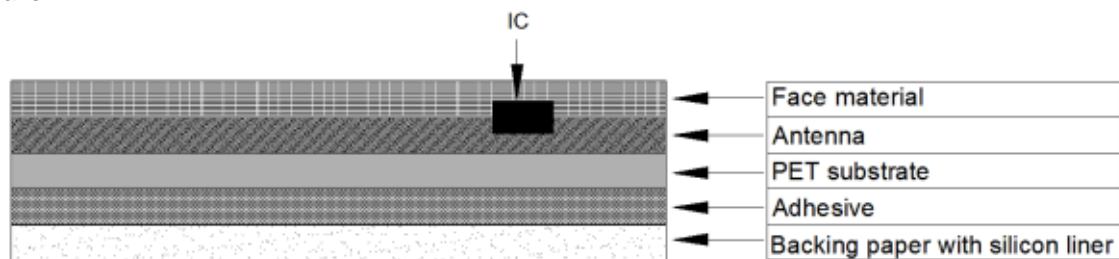
General characteristics of transponder

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	Clear PET 12	
Transponder antenna material	Aluminum	
Transponder adhesive	RA-5	
- labelling temperature	min. +0 °C	min. 32 °F
- usage temperature	-20 °C - 80 °C	-4 °F - 176 °F
- peel	min. 2 N / 25 mm (FTM 1)	
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	Card board core, inner diameter 76 mm (3 in)
Winding of the reel	Face out

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.

Products classified as FIS samples have the released for production (RFP) product's form factor, RF performance and IC functionality. FIS samples represent the RFP products in most aspects. FIS samples are delivered without any warranty. During the FIS phase, SMARTRAC reserves the right to modify product specifications without notice.

This technical specification replaces all earlier ones.

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