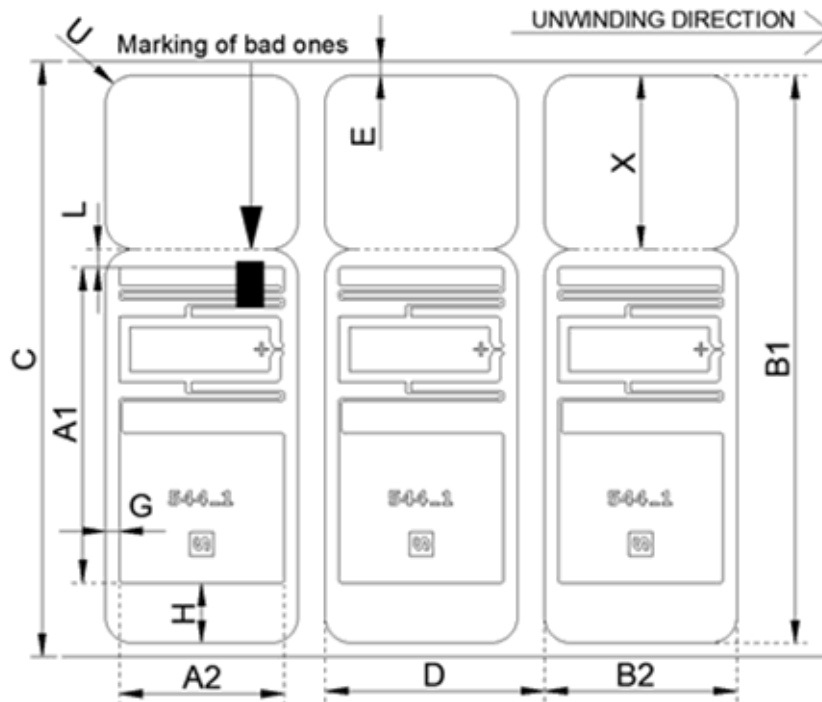


Midas FlagTag FCC White Wet Inlay  
 EPC Class 1 Gen 2, ISO 18 000-6C  
 NXP UCode 8  
 Sales code 3006945

### Mechanical dimensions

A1 x A2	Antenna size	34,41 x 18 mm	± 0,5 mm	1,355 x 0,709 in
B1 x B2	Die-cut size	62 x 21 mm	± 0,2 mm	2,441 x 0,827 in
C	Web width	65 mm	± 0,5 mm	2,559 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
G	Antenna to die-cut (MD)	1,5 mm	± 1,5 mm	0,059 in
H	Antenna to die-cut (CD)	6,59 mm	± 1,5 mm	0,259 in
L	Antenna to perforation line	2 mm	± 1,5 mm	0,079 in
X	Die-cut to perforation line*	19	± 1,0 mm	0,669 in
U	Die-cut corner radius	3 mm		0,118 in
	* Perforation line 2 mm open, 1 mm close			



### Electrical characteristics

Integrated Circuit (IC)	NXP UCode 8	
Air interface protocol	EPC Class 1 Gen 2, ISO 18000-63	
Operation frequency	860 - 960 MHz	
Memory	128 bit EPC	

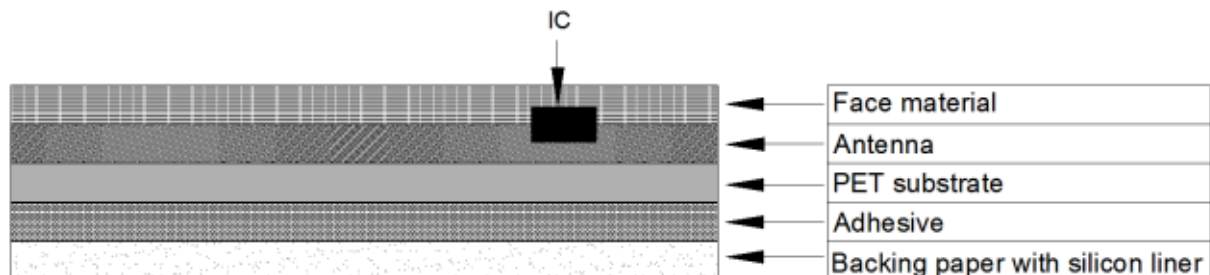
### General characteristics of transponder

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	White PET 50	
Transponder antenna material	Aluminum	
Transponder adhesive	RA-2	
- labelling temperature	min. +5 °C	min. 41 °F
- usage temperature	-40 °C - 150 °C	-40 °F - 302 °F
- peel	min. 15 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	Paper core inner diameter 76 mm (3 in)
Winding of the reel	Face out
Reel size	5000 pcs/reel Diameter: 195mm
Package size	15000 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.

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

This technical specification replaces all earlier ones.

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