

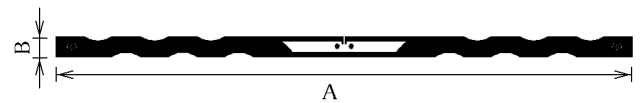


# STA T10455 Tag

## Product Specification

### Mechanical dimensions

A	Antenna length	$100 \pm 0.2$ mm	3.937 in
B	Antenna width	$3.5 \pm 0.2$ mm	0.138 in
C	Die-cut length	$104 \pm 0.2$ mm	4.094 in
D	Die-cut width	$5.5 \pm 0.2$ mm	0.217 in
E	Web width	$108 \pm 1$ mm	4.252 in
F	Pitch	$20.07 \pm 0.2$ mm	0.79 in
G	Die-cut to edge	$2 \pm 1$ mm	0.079 in
H	Core size	76.2 mm	3 in
	PET thickness	0.05 mm	0.002 in
	Aluminum antenna thickness	0.009 mm	0.0003 in



**Antenna Size:**  
100 x 3.5 mm  
3.937 x 0.138 in

### Features

Compliant to EPCglobal C1 Gen 2 & ISO18000-6C

Operating frequency 840-960MHz

IC – NXP G2iM

Thin profile

General purpose transponder tuned for global use

### Environmental

Operating temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+185^{\circ}\text{F}$ )

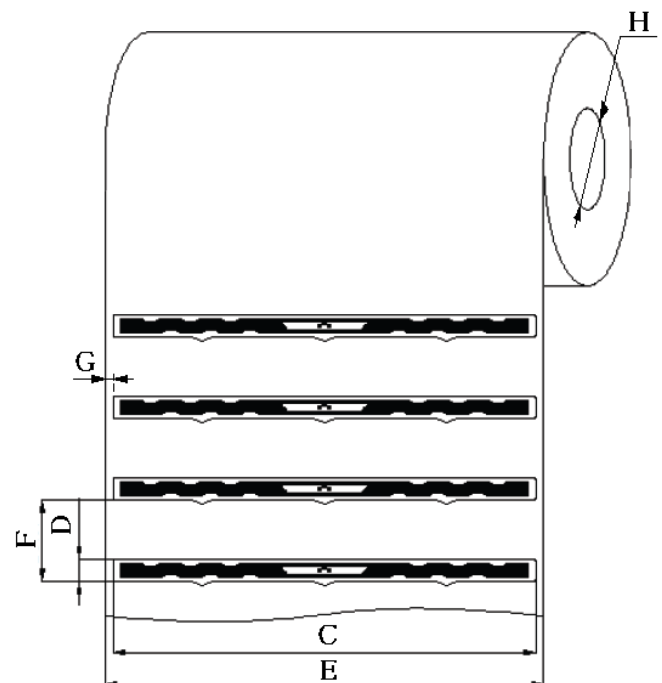
Storage temperature  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $+122^{\circ}\text{F}$ )

ESD  $\pm 2000\text{V}$  peak

Bending diameter  $>50\text{mm}$ , tension less than 10N

Static pressure  $<10\text{MPa}$  ( $10\text{N/mm}^2$ )

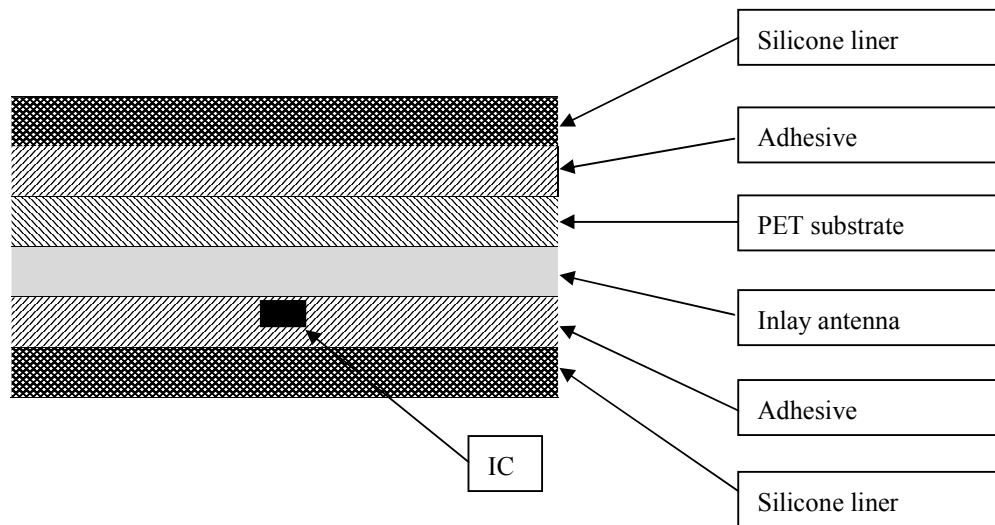
Shelf life: From the date of manufacture 2 years in  $20^{\circ}\text{C}$



## RFID

Protocols supported	EPCglobal C1 Gen 2 & ISO180003%C
Integrated Circuit	NXP G2iM
Operating frequency	840~960MHz
EPC size	256 bits
TID	96 bits serialized
User Memory	512 bits
Access password	32 bits
Kill password	32 bits

## Structure



## Order Information

Product name	STA T10455 Tag
Roll size	10,000pcs/roll, 4 rolls/box
Yield rate	≥ 96 %
Final inspection	100%, known faulty inlays voided with black
Splice	mark ≤ 2 splices per roll, marked in color
Core size	3 inch/76.2 mm
Winding direction Inlay	Inlay facing out of the roll.
adhesive	Acrylic
Net weight	23 lbs
Gross weight	26 lbs/carton
Size of box	470x470x165mm

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