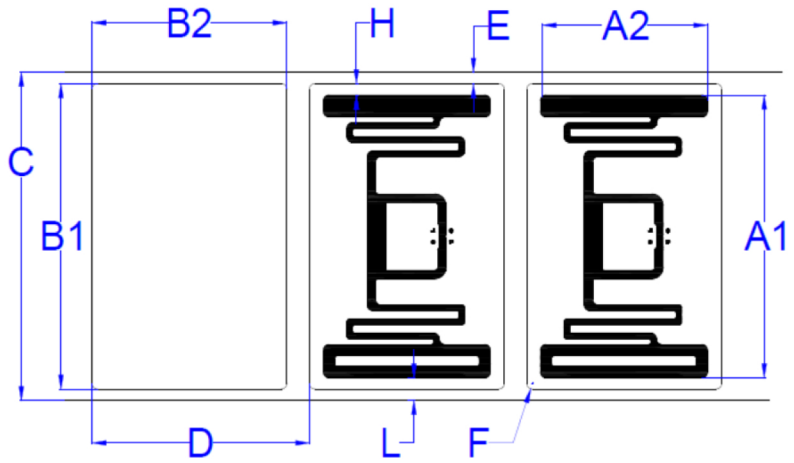
PRODUCT SPECIFICATION

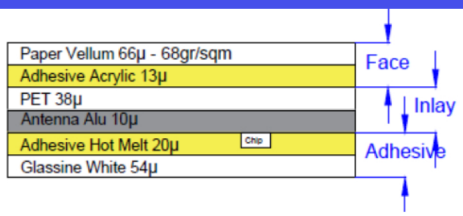
LUH1R5030M7N-M730-92423 54x34mm Paper Tag
Sales code: P4459

General specification and characteristics	
Operating frequency	860-960 MHz
Air interface protocol	EPC Gen2v2.1, ISO 18 000-63
IC type	Impijn M730
EPC memory	128 bit EPC, 96 bit TID, 32 bit kill pwd
Operating temperature (electronics)	-40 °C...+85 °C / -40 °F...+185 °F
ESD voltage immunity	± 2 kV peak HBM
Shelf life: 1 year (from manufacturing date)	+20 °C / +68 °F, 50 % RH
Bending diameter	> 50 mm, tension less than 10 N

Mechanical specification				
Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A1 x A2	Antenna size	50 x 30	± 0,1	1,181 x 1,969
B1 x B2	Die-cut size	54 x 34	± 0,2	2,126 x 1,378
C	Web width	60	± 1	2,362
D	Pitch length per piece (MD)	39,08	± 0,1	1,539
E	Die-cut to web edge	3	± 1	0,118
F	Radius	1	± 0,1	0,039
H	Antenna to die-cut	2	± 1	0,079



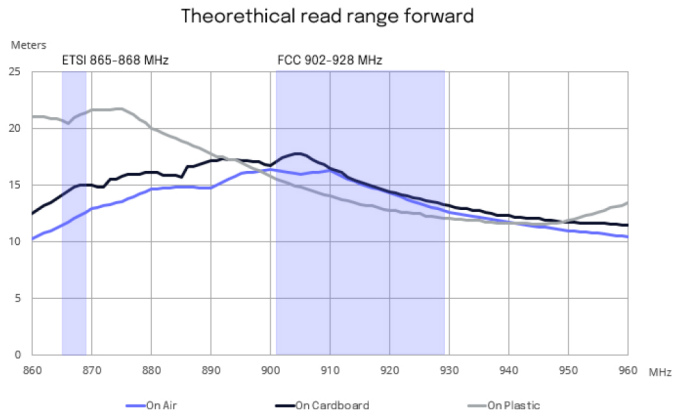
Cross section



Tag characteristics	
Tag format	Die-cut paper faced label on reel
Face material	White paper
Face adhesive	Acrylic adhesive
Antenna material	Aluminum 10µm on PET 38 µm substrate
Inlay to liner adhesive	Hotmelt adhesive
Back Material	Glassine Liner

Delivery details	
Typical delivery yield	> 99%, Bad tags marked
Minimum delivery yield	> 97%
Appearance	Single row reel form
Reel core	Cardboard core, inner diameter 76 mm (3 in)
Winding of the reel	Face out
Reel size	2500 pcs/reel. Diameter: < 200 mm
Package size	12500pcs /box (5 reels)

Performance



Performance graphs are indicative: performance in real life applications may vary.

Compliances

Inlay ARC certification: Categories N, L, I, K, F, G, Q, W1, W2, W3, W4, W5, W6, Y, R, O, B1

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