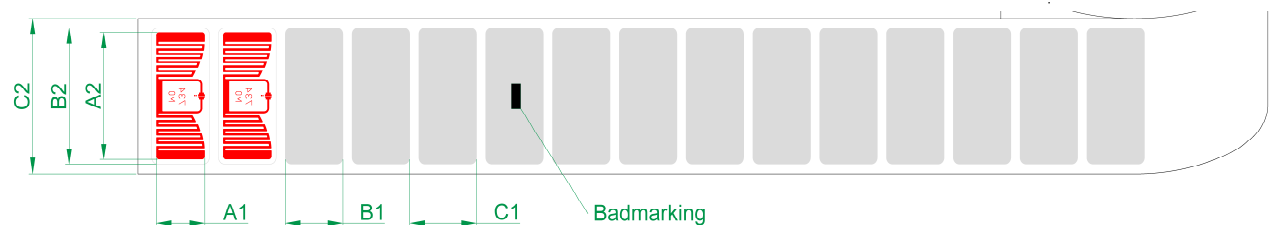


Product Specification

General:

Product	COBALT Wet Inlay White UCODE 8
Article ID	3009115
Article Name	WET INLAY UHF COBALT U129W UCODE8 19X44
Dimensions	19 x 44 mm
Integrated Circuit	NXP UCODE 8
Document	SI-SPK-34D-01.0

Dimensions:



A1	Antenna width	16.0 mm / 0.63"	± 0.2 mm
A2	Antenna length	41.0 mm / 1.61"	± 0.2 mm
B1	Die cut width	19.0 mm / 0.75"	± 0.2 mm
B2	Die cut length	44.0 mm / 1.73"	± 0.2 mm
C1	Lengthwise pitch	22.0 mm / 0.87"	± 0.5 mm
C2	Liner width	50.0 mm / 1.97"	± 0.5 mm
	Badmarking	8 mm x 3 mm	

IC characteristics:

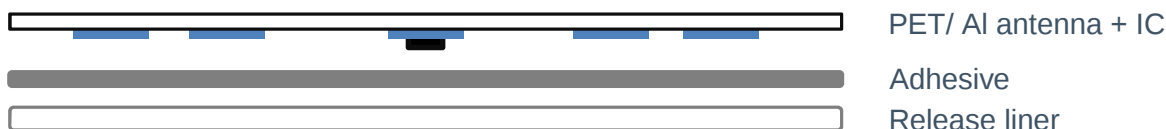
Integrated Circuit (IC)	NXP UCODE 8 SL3S1205
Operating Frequency	860 - 960 MHz (acc. to Class1Gen2, v2.0.1)
Memory	EPC: 128 bit TID: 96 bit (factory locked) User memory: --

(All IC characteristics according to IC product data sheet 398431)

Transponder characteristics:

Adhesive	Acrylic
Operating temperature (electrical functionality)	-20°C/+70°C, max. 60% rH
ESD voltage immunity (HBM)	± 2 kV peak
Shelf life	2 years from date of manufacturing
Storage conditions	23 ± 5 °C, max. 60% rH
Bending diameter	> 50 mm, tension less than 10N

Inlay structure:



Thickness White PET	50 µm	±10%
Thickness release liner	55 µm	±10%
Total thickness over IC	240 µm	±10%
Total thickness (w/ liner)	135 µm	±10%

Form and details of delivery:

Final inspection	100 % (electrically tested)	Bad ones marked, no gaps
Delivery yield	> 98 %	
Format	1 across	Continuous
Reel core	Inner diameter 76 mm (3")	Plastic core
Reel diameter	Outer diameter max. 250 mm	Without cardboard discs
Reel winding	Face out	
Reel size	10.000	± 1.000 pcs
Packaging size	2 reels per box	
Box dimensions	290 mm x 290 mm x 150 mm	
Box weight	3,9 kg	±10%

Reel label (example):

Customer		Sales Order	
Art. No custom		PO no Customer:	
Remark		Country of Origin	
Product name:	WET INLAY UHF COBALT U129W UCODE8 19X44		
internal	Charge:	L20140001H	
	Art.no.:	3009115	
	Box no.:		
	Total units:	10.020	QUALITY PASS 27.03.2020
	Yield:	99,9 %	
	NOK:	OK:	
	10	10.010	

Document history:

Revision	Release date	Changes, Modifications
01.0	27.03.2020	--

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