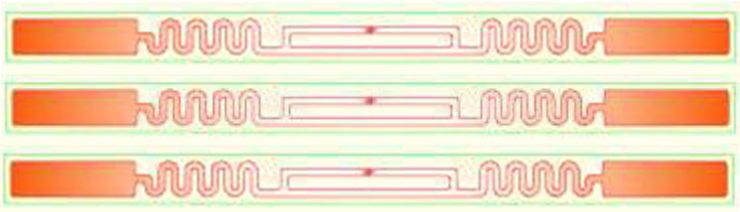
Inlay1107-1 UHF RFID Inlay



Features

- EPC global certified and ISO 18000-6C compliant.
- High receptivity range and excellent tag performance.
- Global frequencies 860 MHz ~ 960 MHz.
- Reliable and cost-effective UHF RFID solution.
- Suitable for corrugated material and plastic.
- Far-field type
- High reading performance

Specifications

Dry Inlay Specification	
Antenna Size	108 x 5mm
Antenna Material	Cu / PI
Web Width	112 mm
Web Pitch	8 mm
Core Width	112 mm
Core ID	76mm / 3 inch
Core Material	Fiberboard
Max Roll OD	300mm

Wet Inlay Specification	
Wet Inlay Size	110 x 7mm
Web Width	114 mm
Web Pitch	10 mm
Core Width	114 mm
Core ID	76mm / 3 inch
Core Material	Fiberboard
Max Roll OD	300mm
Inlay Adhesive	Acrylic adhesive
Adhesive Service Temp.	-20°C ~ +150°C

Electrical Specification	
ISO 18000-6C	
EPC Class1 Gen 2	
EPC Memory	96 bits
User Memory	512 bits
Operating Freq.	860 ~ 960 MHz
Mode of Operation	Passive
IC	Impinj Monza 4

Environment	
Shelf Life	2 years
Storage Temp.	-20°C ~ +120°C 20% ~ 90%
Write Cycle	100,000

Delivery Formats	
Product Formats	Dry, Wet inlay
Ship Form - PI	Roll, Sheet

Reliability Data

Item	Stress Condition	Test Samples	Criteria (Acc /Rej)	NF /FF[1] test pass	NF / FF test NG	Result
Thermal Cycle Test (TCT)	-40°C / 15min ~ +85°C / 15min; Recover time <= 5 min; 100 cycles	45	0 / 1	45	0	Pass
High Temp Storage Test (HTST)	85°C, 500 hrs	45	0 / 1	45	0	Pass
Thermal Cycle Test (TCT)	-40°C / 15min ~ +85°C / 15min; Recover time <= 5 min; 100 cycles	45	0 / 1	45	0	Pass
Bending Test [2]	At 20mm dia. Radius; die up/down weight 400g	9	0 / 1	9	0	Pass

Remarks:

1. NF: Near Field
   FF: Far Field

2. Mandrel Bend Test: