

U8_9510

WET INLAY applications



garbage



logistics



far field

U8_9510 is the typical tag for logistic application with chip NXP UCODE8. It has great performance and it is suitable for situations where a far field reading performance is needed. Reading distance up to 23 m with best reading conditions. Also greatly used for garbage management applied to the trash bags.



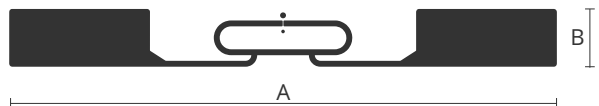
product SPECIFICATIONS

Frequency	UHF (860-960 MHz)
Protocol	UHF EPC Class 1 Gen 2
Integrated Circuit	NXP UCODE 8
EPC size / TID size	128 bit / 96 bit
User Memory	0 bit
Operating Temperature	-40°C/85°C (-40°F/185°F)
Adhesive	Acrylic permanent
Data Retention	50 years
Endurance	100.000 cycles
Inlay Material	PET 50µ / AL 10µ

delivery CONDITIONS

Packaging	Roll
Roll outer diameter	min. 150/max. 500 mm (min. 5.9/max. 19.7 in)
Unwinding mode	Antenna outside of roll
Antenna direction	head
Orientation	horizontal

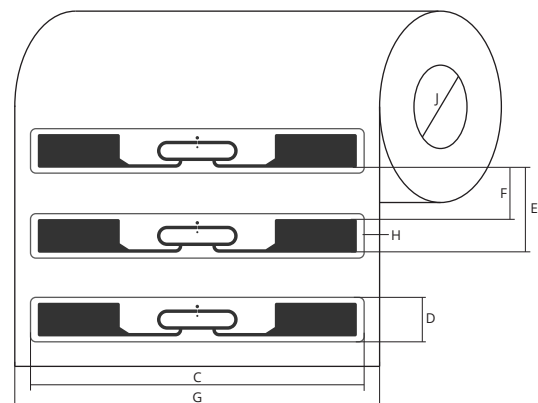
inlay DESIGN



antenna DIMENSIONS

A x B	Antenna size	95 x 10 mm (3.74 x 0.39 in)
C x D	Label Size	98 x 14 mm (3.85 x 0.55 in)
E	Pitch	18.81 mm (0.74 in)
F	Gap	4.81 mm (0.19 in)
G	Web width	105 mm (4.13 in)
H	Die-cut to edge	3.5 mm (0.13 in)
J	Core size	76 mm (3.00 in)



roll DIMENSIONS



optional SERVICES

RFID control	Encoding
Printing	100% good in roll

inlay STACKUP

-  PET Substrate
-  Antenna
-  IC
-  Adhesive
-  Silicone Liner