



# A250

The RFID Inlay pattern is optimized for general purpose and achieves exceptional performance in apparel and pharma applications.



## Key Features

- Item Level Tracking
- Apparel tags and Pharma
- EPC Class 1 Gen 2 / ISO 18000-6C
- 96 bits EPC number, with 512 bits on-chip user memory

### RF Features

Operating frequency	860~960MHz
Mode of operation	Passive (battery free)

### Electrical Characteristics

Protocol	EPC Class1 Gen2/ISO 18000-6C
Memory	96 bits EPC number

### Inlay Material

Antenna	Aluminum
Substrate	PET film

### Inlay Roll Format/Finishing

Core inner diameter	76.2mm (3.000")
Core material	Chipboard or Favite approved material
Max roll outer diameter	300mm (11.811")

### ESD & Inlay Handling

Human body model	+/- 2KV
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### Environmental Specification

Shelf life	2 years @25°C / 60%RH
Temperature limits	Storage: -25°C to +50°C
	Operating: -50°C to +85°C
Humidity	20% to 90%RH Non-condensing
RoHS	2002 / 95 / EC compliant

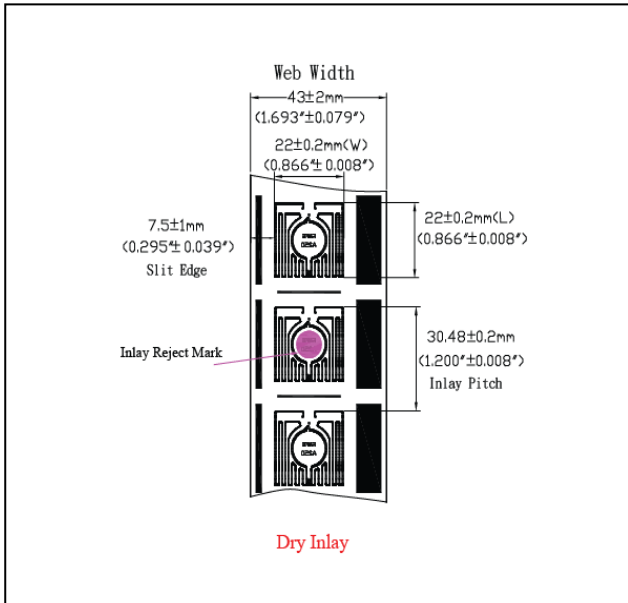
### Dry Inlay Specification

Antenna dimension (W x L)	22mm x 22mm 0.866" x 0.866"
Standard pitch	30.48mm 1.200"
Web width	43mm 1.693"
Slit edge	7.5mm - 13.5mm 0.295" - 0.531"
Max units per roll	18,000

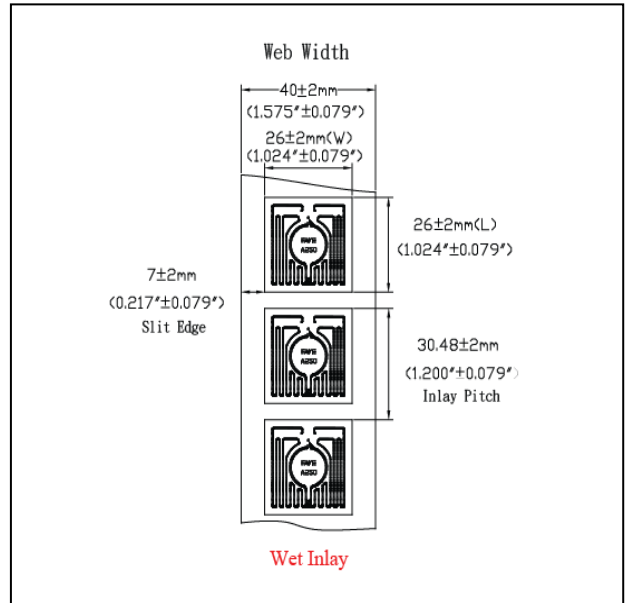
### Wet Inlay Specification

Inlay dimension (W x L)	26mm x 26mm 1.024" x 1.024"
Standard pitch	30.48mm 1.200"
Web width	40mm 1.575"
Inlay to liner adhesive	Acrylic adhesive
Liner material	White glassine release paper
Max units per roll	10,000

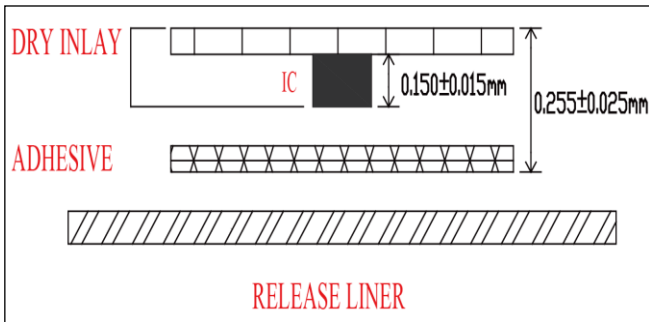
# A250 Inlay Roll Dimensions



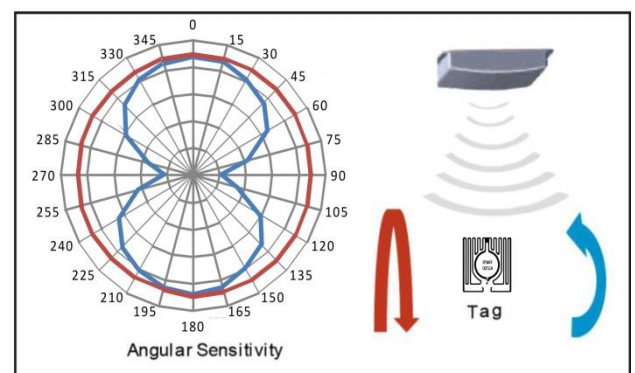
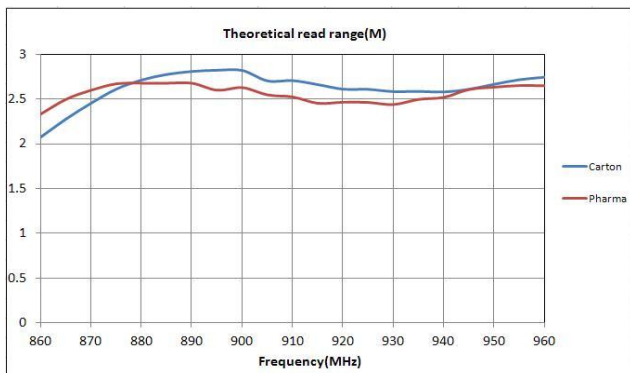
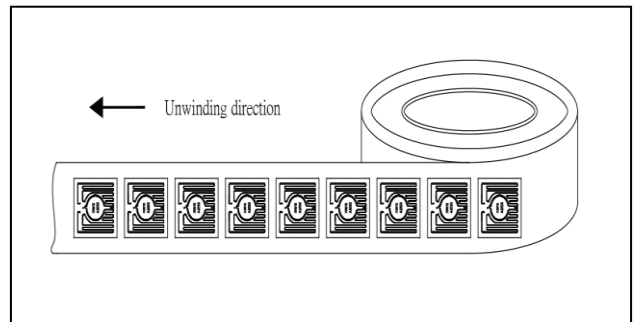
A250 Dry Inlay (IC Face Up)



A250 Wet Inlay (IC Face Down)



A250 wet inlay construction



All information has been calculated and derived from transmitters with a 2W ERP output power level. All graphs are for general reference: performance may vary in realistic implementation.

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