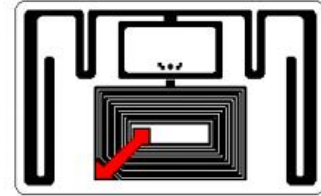
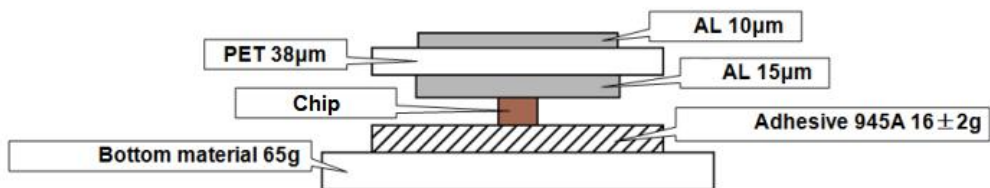
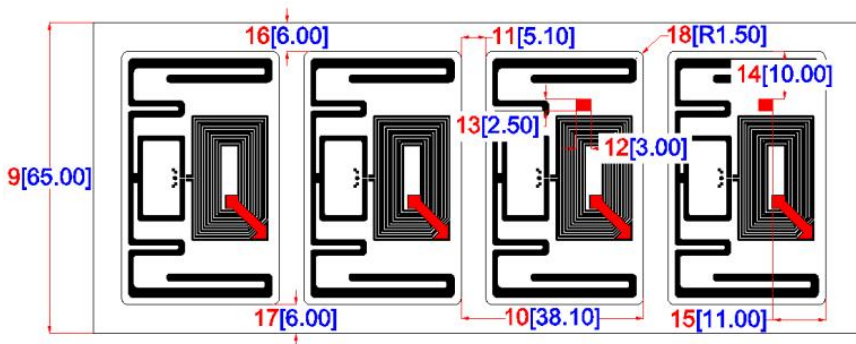
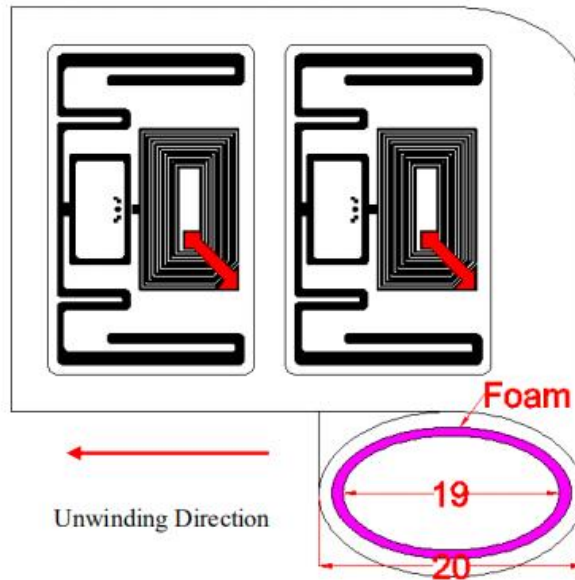


J3050EM4423A

EM4423 RFID Inlay



Appearance



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Dimensions

Antenna Length	30.00±0.20mm
Antenna Width	50.00±0.20mm
Wet Inlay Length	33.00±0.20mm
Wet Inlay Width	53.00±0.20mm
Antenna (top) to Wet Inlay (top)	1.50±1.00mm
Antenna (bottom) to Wet Inlay (bottom)	1.50±1.00mm
Antenna (left) to Wet Inlay (left)	1.50±1.00mm
Antenna (right) to Wet Inlay (right)	1.50±1.00mm
Substrate Width	65.00±1.00mm
Wet Inlay Pitch	38.10±0.50mm
Wet Inlay Gap	5.10±0.50mm
Ink Mark Length	3.00±0.50mm
Ink Mark Width	2.50±0.50mm
Ink Mark (top) to Wet Inlay (top)	10.00±1.00mm
Ink Mark (right) to Wet Inlay (right)	11.00±1.00mm
Wet Inlay (top) to Substrate (top)	6.00±1.00mm
Wet Inlay (bottom) to Substrate (bottom)	6.00±1.00mm
Wet Inlay Corner Radius	1.50±0.20mm
Roll ID	3 inch (76.20±0.50mm)
Roll OD	≅ 210mm

Electrical Characteristics

Item	Description	Remarks
Bottom Material	65g glassine paper	
IC	EM4423	
Base Material	PET	
Antenna	Etched Aluminum (15 μ m) + PET (38 μ m)	UHF
	Etched Aluminum (15±3 μ m) + PET (38±4 μ m) + Gap	HF
	Bridge Aluminum (10±1 μ m)	

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Protocol	ISO/IEC 18000-63	UHF
	ISO14443A	HF
UII/EPC Memory	128 Bits / 224 Bits	UHF
User Memory	160 Bits / 64 Bits	UHF
TID/UID Memory	96 Bits	UHF
	56 Bits	HF
Password	Access: 32 Bits	
	Kill: 32 Bits	
Frequency	860-960MHz	UHF
	13.56MHz	HF
Operating Mode	Passive	
IC Life	100,000 programming cycles	
	10 years data retention	
ESD Voltage Immunity Max. 2000V		Human body mode (HBM)

Environment Requirements

Operating Temperature/Humidity: -5 ~ 60°C / 20% ~ 80% RH

Storage Temperature/Humidity: 20 ~ 30°C / 20% ~ 60% RH

Shelf Life: From the date of manufacture, 1 year in anti-static bag at 20 ~ 30°C / 20% ~ 60% RH

Package Info.:

ESD package box 5,000pcs/roll, 4 or 8 rolls/ctn. Packing in roll for printing and cutting at customer

