

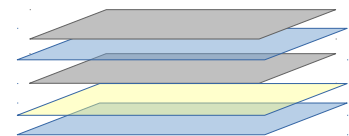
### Inlay Layout and Dimensions

	IN220	
Antenna width	14mm ± 0.02mm(0.55in ± 0.01in)	
Antenna length	14mm ± 0.02mm(0.55in ± 0.01in)	
Lengthwise pitch	48mm ± 0.02mm(1.89in ± 0.01in)	
Web width	48mm ± 0.02mm(1.89in ± 0.01in)	

### Inlay Composition

Composition	Material	Thickness* [µm]
Top	Aluminium	30
Support	Polyester PET	38
Bottom	Aluminium	30
Adhesive	PSA	16
Protective layer	Polyester PET	12

Top  
Support  
Bottom  
Adhesive  
Protective layer



\* Overall thickness depends on the IC. For IC thickness please refer to the "Available ICs" table

### Available ICs

	ST SRI512	ST SRT512	ST SRIX4K	ST SRI4K	
Product code	<b>IN220-SI51</b>	<b>IN220-ST51</b>	<b>IN220-SX4K</b>	<b>IN220-SI4K</b>	
Operating frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	
Standard compliance	ISO 14443 B	ISO 14443 B	ISO 14443 B	ISO 14443 B	
Thickness	180µm ± 15µm	180µm ± 15µm	180µm ± 15µm	180µm ± 15µm	
Operating temperature	-20°C to +85°C	-20°C to +85°C	-20°C to +85°C	-20°C to +85°C	
Storage temperature	n/a	n/a	n/a	n/a	
Unique serial number	8 bytes	8 bytes	8 bytes	8 bytes	
Memory size	512 bits	512 bits	4096 bits	4096 bits	
Memory organization	16 blocks of 32 bits	16 blocks of 32 bits	128 blocks of 32 bits	128 blocks of 32 bits	
Write endurance	40 years	40 years	40 years	40 years	
Data retention	1 000 000 cycles	1 000 000 cycles	1 000 000 cycles	1 000 000 cycles	

Other ICs may be available for this antenna: please contact us for further information

### General supply conditions

Reel dimensions	Internal diameter	76 mm
	External diameter	300 mm
Reel content	Inlay per reel	8000 ± 10% (custom sizes available upon request)