



### Inlay Layout and Dimensions

	IN220	
<b>Antenna width</b>	14 mm ± 0.2 mm (0.55 ± 0.01 in)	
<b>Antenna length</b>	14 mm ± 0.2 mm (0.55 ± 0.01 in)	
<b>Lengthwise pitch</b>	48 mm ± 0.2 mm (1.89 ± 0.01 in)	
<b>Web width</b>	48 mm ± 0.2 mm (1.89 ± 0.01 in)	

### Inlay Composition

Composition	Material	Thickness* [µm]
<b>Top</b>	Aluminium	30
<b>Support</b>	Polyester PET	38
<b>Bottom</b>	Aluminium	10 ÷ 20

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

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