



Inlay Layout and Dimensions

| | IN202 | |
|------------------|---------------------------------|--|
| Antenna width | 42mm ± 0.02(1.65in ± 0.01in) | |
| Antenna length | 65mm ± 0.02(2.56in ± 0.01in) | |
| Lengthwise pitch | 72.57mm ± 0.02(2.85in ± 0.01in) | |
| Web width | 48mm ± 0.02(1.89in ± 0.01in) | |

Inlay Composition

| Composition | Material | Thickness* [µm] |
|-------------|---------------|-----------------|
| Top | Aluminium | 30 |
| Support | Polyester PET | 38 |
| Bottom | 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 | |
|-----------------------|----------------------|----------------------|-----------------------|-----------------------|--|
| Product code | IN202-SI51 | IN202-ST51 | IN202-SX4K | IN202-SI4K | |
| 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 | na | na | na | na | |
| 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 quantity | Inlay per reel | 8000 ± 10% (custom sizes available upon request) |