



### Inlay Layout and Dimensions

	IN600
Antenna diameter	14 mm ± 0.2 mm (0.55 ± 0.01 in)
Widthwise pitch	24 mm ± 0.2 mm (0.94 ± 0.01 in)
Lengthwise pitch	20 mm ± 0.2 mm (0.79 ± 0.01 in)
Web width	48 mm ± 0.2 mm (1.89 ± 0.01 in)

### Inlay Composition

Composition	Material	Thickness* [µm]
Top	Aluminium	30
Support	Polyester PET	38
Bottom	Aluminium	30
Adhesive	PSA	25
Protective layer	Polyester PET	12

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

### Available ICs

	NXP ICODE SLI-S ICS54	NXP ICODE SLI-L ICS51	EM-MARIN 4135	ST LRI2K	
Product code	IN600-PSLS	IN600-PLLL	IN600-EM95	IN600-LR2K	
Operating frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	
Standard compliance	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3	
Thickness	150µm ± 15µm	150µm ± 15µm	280µm	180µm ± 15µm	
Operating temperature	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C	-20°C to +85°C	
Storage temperature	-55°C to +140°C	-55°C to +140°C	-55°C to +140°C	na	
Unique serial number	8 bytes	8 bytes	8 bytes	8 bytes	
Memory size	2048 bits	512 bits	2432 bits	2048 bits	
Memory organization	16 pages with 4 blocks of 4 bytes	16 blocks of 4 bytes	38 blocks of 8 bytes	64 blocks of 4 bytes	
Write endurance	10 years	10 years	10 years	40 years	
Data retention	100 000 cycles	100 000 cycles	100 000 cycles	1 000 000 cycles	

### General supply conditions

Reel dimensions	Internal diameter	76 mm
	External diameter	300 mm
Reel quantity	Inlay per reel	10 000 ± 10% (custom sizes available upon request)