



### Inlay Layout and Dimensions

	IN560
Antenna width	45 mm ± 0.2 mm (1.77 ± 0.01 in)
Antenna length	80 mm ± 0.2 mm (3.15 ± 0.01 in)
Lengthwise pitch	96 mm ± 0.2 mm (1.89 ± 0.01 in)
Web width	48 mm ± 0.2 mm (3.78 ± 0.01 in)

### 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

	EM-MARIN EM4135	NXP ICODE SLI-S ICS54	NXP ICODE SLI-L ICS51	ST LRI2K	
Product code	IN560-EM95	IN560-PSLS	IN560-PLLL	IN560-LR2K	
Operating frequency	13.56 MHz				
Standard compliance	ISO 15693 – ISO 18000-3				
Thickness	280µm	150µm ± 15µm		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	512 bits	2048 bits	512 bits	2048 bits	
Memory organization	16 blocks of 4 bytes	16 pages with 4 blocks of 4 bytes	16 blocks of 4 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	7500 ± 10% (custom sizes available upon request)