



Inlay Layout and Dimensions

	IN610
Antenna diameter	18 mm ± 0.2 mm (0.71 ± 0.01 in)
Widthwise pitch	24 mm ± 0.2 mm (0.94 ± 0.01 in)
Lengthwise pitch	24 mm ± 0.2 mm (0.94 ± 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 Mifare Ultralight	NXP Mifare Ultralight C	NXP Mifare Mini	NXP Mifare Std 1k	NXP Mifare Std 4k
Product code	IN610-PMF2	IN580-PMFUC	IN610-PMFM	IN610-PM1K	IN610-PM4K
Operating freq.	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz
RF standard	ISO 14443 A (up to level 3)	ISO 14443 A (up to level 3)	ISO 14443 A (up to level 3)	ISO 14443 A (up to level 3)	ISO 14443 A (up to level 3)
Thickness	120µm ± 15µm	120µm ± 15µm	150µm ± 15µm	150µm ± 15µm	150µm ± 15µm
Operating temp.	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Storage temp.	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C
UID	7 bytes	7 bytes	4 bytes	4 bytes	4 bytes
Memory size	64 bytes	192 bytes	320 bytes	1024 bytes	4096 bytes
Memory organization	16 pages of 4 bytes	48 pages of 4 bytes	5 sectors of 64 bytes	16 sectors of 64 bytes	32 sectors of 64 bytes + 8 sectors of 256 bytes
Write endurance	5 years	5 years	10 years	10 years	10 years
Data retention	10 000 cycles	10 000 cycles	100 000 cycles	100 000 cycles	100 000 cycles

Other ICs are available for this antenna (Mifare Plus, DESFire and Infineon families): please contact us for further information

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)