



Inlay Layout and Dimensions

	IN300
Antenna width	45 mm ± 0.2 mm (1.77 ± 0.01 in)
Antenna length	76 mm ± 0.2 mm (2.99 ± 0.01 in)
Lengthwise pitch	91 mm ± 0.2 mm (3.58 ± 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	10 ÷ 20

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

Available ICs

	TI HF-I STD/PRO	TI Tag-it HF-I Plus		
Product code	IN300-TISD	IN300-TIHP		
Operating frequency	13.56 MHz			
Standard compliance	ISO 15693 – ISO 18000-3			
Thickness	150µm ± 15µm			
Operating temperature	-25°C to +70°C	-25°C to +70°C		
Storage temperature	-40°C to +85°C	-40°C to +85°C		
Unique serial number	8 bytes	8 bytes		
Memory size	256 bits	2048 bits		
Memory organization	8 blocks of 4 bytes	64 blocks of 4 bytes		
Write endurance	10 years	10 years		
Data retention	100 000 cycles	100 000 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)