

High Frequency Prelam

Overview

We offer a wide range of High Frequency Prelam (13.56Mhz), also known as RFID Inlays, as the core part of ISO Standard Contactless Cards production.

The High Frequency band (13,56Mhz) is characterized by good resistance against external interference and high data transfer rate. The read range of passive High Frequency prelams typically goes from several centimeters to less than 1 meter.



Application

The HF Prelams are suitable for various fields of application: access control, automated fare collection, contactless payment, customer loyalty programs, public transport, RFID-enabled identity documents, laundry, medical & healthcare, ticketing, warehouse management and many others.



Main Advantages

- All products are produced with first in class machines using mature and reliable technologies;
- Support mass production as well as trial project, ensuring always a very fast delivery time;
- Competitive price for high quality product and fast support.



General Specification

Available IC	<ul style="list-style-type: none"> ◆ NXP Mifare Ultralight, 1K/4K, PLUS/DESFire family including 4&7 bytes UID, ICODE family, Compatible chip, etc. ◆ IC format: Au-bumped wafer, Module(MOA2, MOA4), COB
Support Protocol	ISO 14443 Type A & TypeB, ISO 15693, ISO18000-6B/C, EPC etc
Delivery Format	Pre-laminated Sheet Inlay, Dry/Wet Inlay, Final Card/Tag
Inlay Format	2*5, 3*7, 3*8, 4*8, 5*5, etc.
Production Material	PVC, PETG, TESLIN etc.
Antenna Shape	Round , Oval, customized shape design according to card/inlay size
Antenna Material	Copper Coil, Aluminum etching antenna.
Maximum Dimension	L: 510±5mm W: 410±5mm for Pre-Laminated Inlay
Thickness	<ul style="list-style-type: none"> ◆ HF: 0.30±0.02mm for Sheet Inlay, 0.42±0.02mm & 0.48±0.02mm for ISO standard card Pre-laminated sheet Inlay
Operation Temperature	-20°C ~ +70°C

Weight

Around 4gr per Pre-laminated Sheet Inlay, depends on thickness

Quality Guarantee

- The 100% of Our products are tested (dimension, visual inspection and functionality);
- The Product Specification will be confirmed by the client before mass production, or in accordance to the samples if provided, in order to comply always with the requirements;
- We use a solid packaging in order to prevent damages during the shipping stage.

