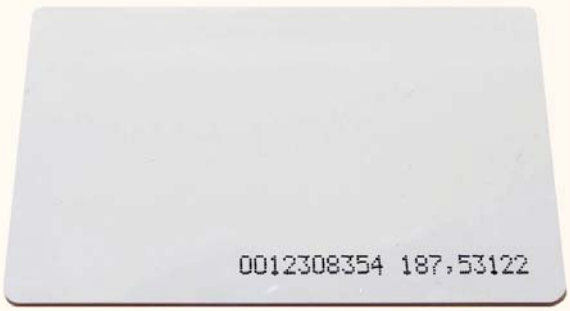
AUTO-ID INTL
Business Identification Solutions

www.autoidcorp.com

PROXIMITY CARD

- Is readonly type on 125Khz, was developed by Switzerland company. The previously name was proximidad card.



ISO 11784/11785

Features

- 26 - 64 bit memory array laser programmable
- Several options of data rate and coding available
- On chip resonance capacitor
- On chip supply buffer capacitor
- On chip voltage limiter
- Full wave rectifier on chip
- Operating frequency: 100 to 150kHz
- Onchip voltage limiter
- Large modulation depth due to a low impedance modulation device
- Operating frequency 100 150kHz
- Very small chip size convenient for implantation

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Specifications

System Security

Logistic automation
Industrial transponder
Access control , Anticounterfeiting

Customization Support

Made in ISO Card: Dimension of CR80 (86mm* 54mm *0.82mm). Be available with offset printing, silkscreen printing,metallic or silver background, photo personalization Made into other shapes: coin tags,keychains, clamshell cards,glass tags etc.

The proximidad card (previously named) is a CMOS integrated circuit for use in electronic Read Only RF Transponders. The circuit is powered by an external coil placed in an electromagnetic field, and gets its master clock from the same field via one of the coil terminals.

By turning on and off the modulation current, the chip will sendback the 64 bits of information contained in a factor y preprogrammed memory array.
The programming of the chip is performed by laser fusing of polysiliconlinks in order to store a unique code on each chip. The proximidad card has several metal options which are used to define the code type and data rate. Data rates of 64, 32 and 16 periods of carrier frequency per data bit are available. Data can be coded as Manchester, Biphaseor PSK.

Due to low power consumption of the logic core, no supply buffercapacitor is required. Only an external coil is needed to obtain the chip function. A parallel resonance capacitor of 74 pFis also integrated.

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