



Asset | Logistics Tag

EPOXY DISCTAGS

APPLICATIONS

- Production
- Warehouse
- Logistics

FEATURES

- Black Epoxy Material
- HF or LF Frequency
- \varnothing 20, 30 or 50 mm
- 1.6 mm Thickness
- IP66 Protection

RFID OPTIONS

- HF (ISO 14443 A | ISO 15693)
- LF (EMxxx | Atmel | NXP)

PRODUCT DESCRIPTION

The Epoxy Disctags from iDTRONIC Professional RFID are well suited for the identification of goods and objects in an industrial environment. Typical application areas are in logistics, warehouses or productions. The round shape and the ultra-thin thickness of 1.6 mm fits for reusable transport containers or industrial goods such as in container tracking.

The housing is made of epoxy and is coloured black. It is available in three different dimensions: \varnothing 20, 30 or 50 mm. The 50 mm version can delivered with a centre hole on request.

Thanks to the IP66 protection class it features special resistance in rough applications and are stable against many different chemicals. Their water absorbing is low (depending on temperature). It withstands temperature environments of $-25\text{ }^{\circ}\text{C}$ up to $+90\text{ }^{\circ}\text{C}$.

The Epoxy Disctags are available in the two different RFID frequencies: HF (13.56 MHz) and LF (125 kHz).

TECHNICAL DATA

PRODUCT SPECIFICATIONS

Material	Epoxy
Colour	Black
Diameters	∅ 20 mm ∅ 30 mm ∅ 50 mm (centre hole on request)
Thickness	1.6 mm (+/- 2 %)
Protection Class	IP 66
Application Temperature	-25 °C to +90 °C

AVAILABLE LF: 125 KHZ ICS

IC TYPE	MEMORY	MODE
EM 4100/4200	8 Byte	Read-only
EM 4450/4550	125 Byte	R/W
Atmel Temic 5567	28 Byte	R/W
NXP Hitag 1	256 Byte	R/W
NXP Hitag 2	32 Byte	R/W
NXP Hitag S256	32 Byte	R/W
NXP Hitag S2048	256 Byte	R/W

AVAILABLE HF: 13.56 MHZ ICS

IC TYPE	MEMORY	MODE
NXP MIFARE Ultralight®	512 bit	ISO 14443 A
NXP MIFARE® Classic 1K EV1	1024 Byte	ISO 14443 A (1-3)
NXP MIFARE® Classic 4K	4096 Byte	
NXP MIFARE® DESFire® EV1	2 kByte	ISO 14443 A (1-4)
NXP MIFARE® DESFire® EV1	4 kByte	
NXP MIFARE® DESFire® EV1	8 kByte	
NXP I-Code SLI	128 Byte	ISO 15693
NXP I-Code SLI-S	256 Byte	

OTHER ICS ARE AVAILABLE ON REQUEST!

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