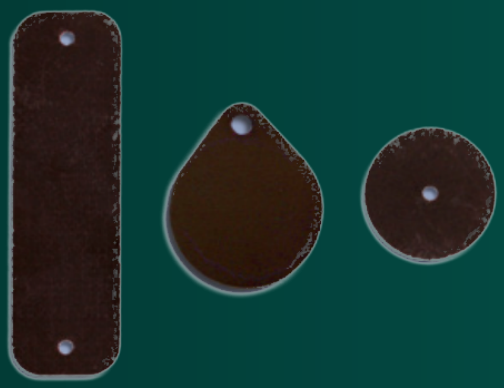
IDCRAFT
RFID & NFC EXPERTS

UHF | HF | LF - Hard Tags
HID - Epoxy Tag



- Comes with UHF, HF or LF technology
- Epoxy Material & IP69K
- Withstand various chemicals
- Various mounting options

UHF | HF | LF - Hard Tags
Industrial Epoxy Tag

HID Epoxy Tag RFID transponders are constructed for optimal performance under harsh conditions. Epoxy housings protect advanced integrated chips, enabling the use of RFID technology to accelerate logistics speed while improving data accuracy in a broad spectrum of rugged industrial applications.

Epoxy Tag units are resistant to fuels, mineral oils, petroleum and salt mist. They repel moisture – even in high temperature, high pressure washes. Unrelenting performance despite temperature fluctuations allows Epoxy Tag transponders to adapt to demanding applications. These tags can tolerate repeated autoclaving in medical applications, and plastic injection molding processes for permanent embedding into industrial components, equipment or containers.

Each micro thin Epoxy Tag device has a smooth surface, which may be imprinted with customized visual codes or artwork. Epoxy Tag transponders are available in a variety of shapes and sizes, and may be adhered with glue, secured with screws, or embedded in a custom housing, depending on the application.

The Epoxy Tag Keyfob features a unique chip that optimizes NFC program security, utility, and ease-of-implementation when deployed with HID Trusted Tag® Services, a cloud-based authentication platform that adds a non-replicable identity to each interaction.

In addition, HID can create a custom Epoxy Tag solution to fit any application requirements for chip type, dimensions or programming.

Common Applications

- First choice for manufacturing
- Best for paint shop applications
- Best for complex processes
- Best for medical devices
- Full performance in the half the size
- The first choice for high temp

HID

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	LF Disc (30 mm)	HF Keyfob	UHF
			
OEM Part Number (P/N)	601143 -001	6D6140-101	6M6970-101, 6H2970 (MR6-P)
Frequency	125 kHz	13.56 MHz	865-928 MHz (Global)
Chip Type	Unique	HID Trusted Tag*	M730, MR6-P
Chip memory	64 bit read-only	8 KB	128 bit EPC
Reading Distance	Dependent upon reader, environment and application	Proximity (NFC Tap)	Up to 6 m
Dimensions	Ø 30 x 1 mm	30 × 45 × 1.6 mm	83 x 25 x 1 mm
Mounting Method	Glue, screw-on, or encapsulate	Glue, screw-on, or encapsulate	Glue, screw-on, or encapsulate
Affixes To	Glass, plastic, wood	Glass, plastic, wood	Glass, plastic, wood
Housing Material	Epoxy	Epoxy	Epoxy
Water	P68, IP69K	P68, IP69K	P68, IP69K
Withstands Exposure To	Fuel B, mineral oil, petroleum, salt mist, vegetable oil	Fuel B, mineral oil, petroleum, salt mist, vegetable oil	Fuel B, mineral oil, petroleum, salt mist, vegetable oil
Vibration & Shock	IEC 68.2.6 / IEC 60068-2-27:2008	IEC 68.2.6 / IEC 60068-2-27:2008	IEC 68.2.6 / IEC 60068-2-27:2008
Storage	-40° to +85° C	-40° to +85° C	-40° to +85° C
Operating	-40° to +85° C	-40° to +85° C	-40° to +85° C
Standards	N/A	ISO 14443A - NFC Tag Type 4	ISO/IEC 18000-6C; EPC Global Class 1 Gen 2
Box Size	500 pcs.	250 pcs.	1.000 pcs.