



HT032 is a 'mould tag', a special RFID tag that is embedded into the product via injection moulding during production. It is made of FPC (*flexible printed circuit*), a printed circuit consisting of a polyamide or polyester film which is **extremely light, thin and flexible**. Yellow in colour and rectangular in shape, it measures 70 mm x 11 mm x 0.6 mm. Weighing just 0.2 grams, it is

designed to be **embedded in non-metal objects**. HT032 is **resistant to very high temperatures**. The **HIGGS 3 chip operates in UHF** (European and US frequencies) **and can be read at a distance of up to 9 metres**.

MARKETS

The **IP68** rating ensures HT032 is protected against prolonged

immersion in water and sealed against smoke and dust. This tag is ideal for use in **industrial injection-moulding processes**, where plastic materials are melted (or plasticised) and then injected into a closed mould under high pressure.



European frequency (EU) 868 MHz - US frequency 920 MHz

RFID features

Chip	Memory	ISO Standard
HIGGS 3	64 bytes - TID: 8 bytes - EPC: 60 bytes	ISO 18000-6C / EPC Class 1 Gen 2
HIGGS 3 US	64 bytes - TID: 8 bytes - EPC: 60 bytes	ISO 18000-6C / EPC Class 1 Gen 2

Technical specifications

Application	Non-metal surfaces
IP rating	68
Dimensions	70 x 11 x 0.6 mm
Material	FPC (Flexible Printed Circuits)
Weight	0.2 g
Application method	Embedding
Operation temperature	-40°C ~ +100°C
Storage temperature	-40°C ~ +200°C

Customisation

Colour	Yellow
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