

## RFID HARD TAG HT032

### MARKETS:



Industry



### COLOUR:



Yellow

The HT032 is a specialised "**mould tag**", an RFID tag designed to be embedded directly into a product during its manufacturing process via injection moulding. It's constructed from **FPC** (Flexible Printed Circuits), which consists of a polyamide or polyester film, **renowned for its extreme lightness, thin profile, and flexibility**. Rectangular in shape and yellow in colour, it measures 70 x 11 x 0.6 mm and weighs a mere 0.2 grams. This tag is engineered for embedding within **non-metallic** objects. The HT032 boasts exceptional **resistance to very high temperatures** and features a **HIGGS 3 chip** operating

on **UHF** (both European and US frequencies), **achieving an impressive read range of up to 9 metres**.

### MARKETS

With an IP68 rating, the HT032 is protected against prolonged water immersion and is completely hermetic to fumes and dust. This makes the tag ideal for **industrial applications, particularly in injection** moulding processes where plastic materials are melted (or plasticised) and then injected into a closed mould at high pressure. Its ability to withstand such conditions ensures reliable and seamless product identification from the point of manufacture.



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

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

#### Customisation

<b>Colour</b>	Yellow
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