



## 2 KB Passive Database Carriers

# T-Series RFID TAGS

### T7036

### T5050

#### FEATURES

2000 Bytes User Memory supports Database on Board!

64 bit unique ID serial number.

Rugged and durable enclosure:  
304 Stainless Steel backplate  
High Performance Polyamide case.

Passive operation: no battery.

International Standard ISO 15693  
Air Protocol.

FRAM memory supports 10 billion  
write cycles; unlimited read cycles.

Direct mount to metal surfaces.

#### USE WITH:

Cobalt™ HF Controllers  
HF-0405 Controllers  
HF816 RFID Wand  
HF818 RFID Wand.

#### READ RANGES- METAL\*:

HF-0405: up to 50 mm  
HF-ANT-1010: up to 150 mm  
HF-ANT-2020: up to 200 mm  
\*tag mounted on metal bracket.

#### READ RANGES-IN AIR:

HF-0405: up to 65mm  
HF-ANT-1010: up to 190 mm  
HF-ANT-2020: up to 260 mm



The T-Series of mobile database carriers from Escort Memory Systems offers exceptional memory capacity in a rugged and economical package. These 2 Kilobyte RFID 13.56 MHz tags conform to the international ISO15693 Standard and operate without batteries.

Metal-mount design allows flexible installations: the tags operate quite well when mounted to metal brackets or when mounted to non-metallic surfaces.

The rugged and completely potted tag package is ideal for harsh industrial conditions, where auto-identification of reusable totes, pallets, or other product carriers is essential to achieving real-time process information flow for just-in-time manufacturing.

#### SPECIFICATIONS

##### Dimensions:

T7036: 71 x 37 x 18 mm  
[2.80 x 1.45 x 0.70 in]

T5050: 50.8 x 53.5 x 18.5mm  
[2.0 x 2.1 x 0.73 inches].

##### Shock Resistance:

30-200-30 Hz, 31 g's,  
1 oct/min, 30 mins /axis.

##### Vibration Resistance:

1/2 sine pulse, 250 g & 1 ms  
500 g & 1 ms, 3 shocks/axis.

##### Operating Temperature:

-40°C to 85°C [-40° to 185°F].

##### Storage Temperature:

-40° to 85°C [-40° to 185°F].

##### Protection Class:

IP67.

##### Humidity:

0 to 100% non-condensing.

##### Air Protocol:

ISO 15693

##### RF Data Transfer Rate:

26.48 kbps



**RFID AT**  
**WORK™**



# High Memory Passive RFID

# T-Series RFID TAGS

MECHANICAL DRAWINGS [IN]/ MM

## APPLICATIONS

Work-in-Progress  
Material Handling  
Sortation Systems  
Quality Control  
Conveyor Lines

## READ/WRITE RANGES IN/MM

with EMS Antennas

Mounted on metal bracket:

HF-0405: up to 2.0/50

HF-ANT-1010: up to 6.0/150

HF-ANT-2020: up to 8.0/200

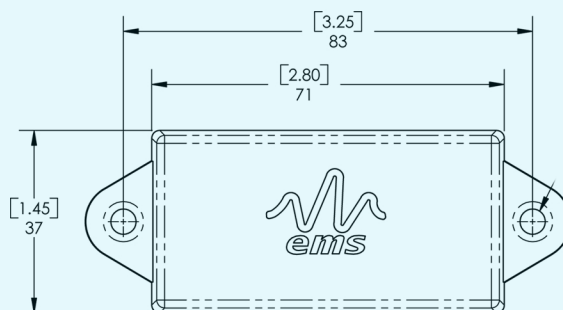
Tag in Free Air:

HF-0405: up to 2.5/65

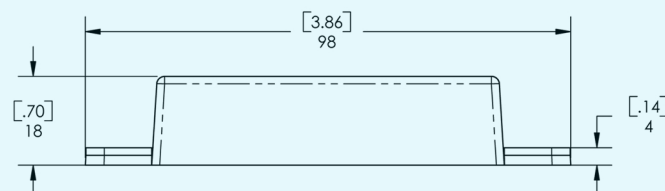
HF-ANT-1010: up to 7.5/190

HF-ANT-2020: up to 10/260

## T7036

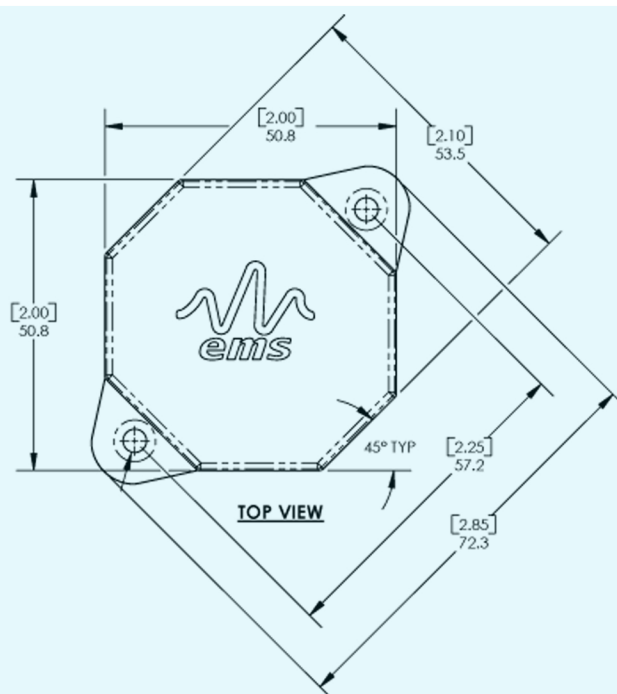


TOP VIEW



FRONT VIEW

## T5050



TOP VIEW

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