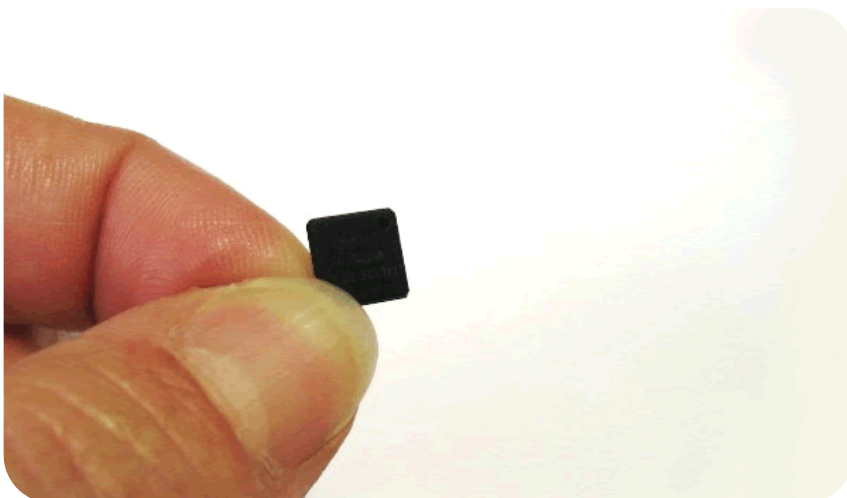


## MuTRAK UHF Tag



### ULTRA-SMALL AND EXTREMELY ROBUST

TAGSYS' MuTRAK RFID UHF tags have been specifically designed to meet specific item-level tracking requirements in terms of size, robustness and read performance.

An innovative design makes MuTRAK the smallest (7 x 7 x 1.4 mm) and sturdiest encapsulated UHF tag available on the market, able to resist harsh processes such as injection molding.

The MuTRAK UHF tag is ultra-small and provides a low cost and discrete and easy to affix identifier device.

The MuTRAK tags can be used in various applications such as Professional Textile Services where it can be either heat-sealed onto textile items (i.e. garments and linens), or inserted in small pouches, and general industrial applications where a small and robust tag is required (i.e. work tools, surgical tools, metal containers and bottles, sign and electric poles).

MuTRAK provides excellent read performance (up to 30 cm) using TAGSYS fixed and portable UHF RFID reading stations. To obtain greater reading distances, we recommend TAGSYS' LinTRAK UHF tag.

TAGSYS provides complete, reliable, high performance RFID infrastructure systems for item-level tracking in a variety of industries.

Our unique RFID expertise, combined with a true understanding of RFID business processes, makes us the ideal RFID partner to ease and ensure the success of your project.

More information on TAGSYS can be found at: [www.tagsysrfid.com](http://www.tagsysrfid.com).



## TECHNICAL SPECIFICATIONS

### GENERAL

#### **FREQUENCY:**

860-960 MHz

#### **OPERATION MODE:**

Passive

#### **TAG DIMENSIONS:**

Standard: 7 mm x 7 mm

#### **TAG THICKNESS:**

1.4 mm

#### **TAG COLOR:**

Black

#### **MATERIAL:**

Epoxy

#### **MARKING:**

Chip reference and date code laser-engraved on transponder housing:



### RFID CHIP SPECIFICATIONS

UHF Gen 2, Monza 5

Up to 128 bits of ePC Memory

96 bits of Serialized TID

Multi-read/write

EPCglobal and ISO 18000-6C compliant

Passwords Kill/Access: 64 bits

#### **ENCODING:**

Specific encoding optional

### DELIVERY

#### **DELIVERY PACKAGING:**

2000 units in transparent plastic bag (approx. weight: 300g).

Other packaging optional.

#### **PARCEL LABELING:**

Sales reference, order number, quantity

#### **QUALITY CONTROL:**

100% functional and visual inspection

#### **MINIMUM ORDER:**

2000 units

### LAUNDRY CYCLE PERFORMANCE

#### **MAXIMUM TEMPERATURE EXPOSURE:**

200°C (392°F) / 15 seconds / 2.5 bars (36.28 PSI)

#### **TUNNEL WASHER:**

90°C (194°F) / 15 minutes

#### **PRE-DRYING IN TUMBLER:**

160°C (320°F) / 30 minutes

#### **TUNNEL FINISHER:**

185°C (365°F) / 30 minutes

#### **STERILIZATION PROCESS:**

134°C (273°F) / 20 minutes

#### **WATER EXTRACTOR PRESS:**

60 bars\*

#### **WASHING CYCLES:**

200 cycles or 3 years minimum guaranteed

\*Performance level measured and guaranteed in TAGSYS Laundry tests and conditions.

#### **PRODUCT REFERENCE:**

TM650E10

**TAGSYS RFID™**  
e-connecting goods

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