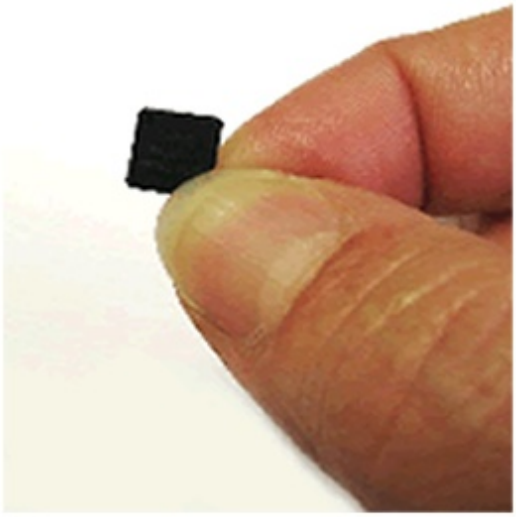
TAGSYS RFID™
e-connecting goods

DATASHEET

MuTRAK
UHF TAG



Ultra Small and 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 one of 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** using TAGSYS fixed and portable UHF RFID reading stations. To obtain greater reading distances, we recommend TAGSYS' LinTRAK UHF tag.

About TAGSYS

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.

MuTRAK
UHF TAG

Technical specifications

GENERAL

FREQUENCY:	860-960 MHz
OPERATION MODE:	Passive
TAG DIMENSIONS:	Standard: 7 x 7 mm (.27 x .27 in)
TAG THICKNESS:	1.4 mm (.05 in)
TAG COLOR:	Black
MATERIAL:	Epoxy
MARKING:	Chip reference and date code laser-engraved on transponder housing

RFID CHIP SPECIFICATIONS

UHF Gen 2, Monza 5
32 bits of user memory
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
Specific encoding optional

DELIVERY

DELIVERY PACKAGING:	2000 units in transparent plastic bag (approx. weight: 300g) Other quantitiesoptional.
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 guarantied in TAGSYS Laundry tests and conditions

COMPLIANCY

RoHS REACH

PRODUCT REFERENCE

MuTRAK v2: TM650E10

Copyright © TAGSYS
This document and the information it contains are the exclusive property of TAGSYS. All rights reserved. Any unauthorized reproduction is strictly prohibited. TAGSYS is a registered trademark.

atlasRFIDstore.com
1.888.238.1155 • Inside USA
1.205.383.2244 • Outside USA
info@atlasRFIDstore.com
www.atlasRFIDstore.com