

MuTRAK

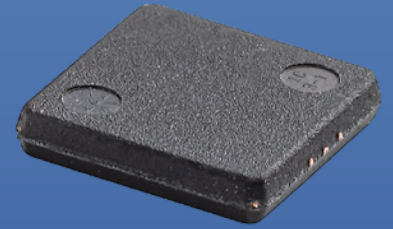
Ultra-Small and Robust RAIN® RFID UHF Tag



HID Global's MuTRAK RFID tag has been designed to meet specific item-level tracking requirements in terms of size, robustness and read performance. Its innovative design makes MuTRAK one of the smallest and sturdiest encapsulated RAIN® RFID (UHF) tags available

on the market — resistant to high temperatures, water, chemical and shock, as well as harsh processes like injection molding or industrial laundry.

The MuTRAK tag is ultra-small and easily integrates into RFID applications requiring discreet placement of small, featherweight tags that deliver cost effective and sustainable performance.



KEY BENEFITS

- Small footprint, ideal to identify small items
- Embeddable in space-restricted applications
- Extremely robust and environmentally resistant

MuTRAK UHF Tag



KEY TECHNOLOGY HIGHLIGHTS

- EPC UHF Class1 Gen 2, ISO 18000-63
- Tiny footprint
- High water, chemical, heat and pressure resistance
- Chip reference and date code laser-engraved on transponder housing

MuTRAK



Base Model Number	TM650E10	TM730E01
	ELECTRONIC	
Operating Frequency	860-960 MHz (worldwide)	
Chip Type	Monza 5	M730
Memory	96 bits EPC (up to 128 bits)	128 bits EPC
Reading distance (2W reader ERP, free space)	Up to 4 inches (10 cm)	
	PHYSICAL	
Dimensions	0.27 x 0.27 in (7 x 7 mm)	
Thickness	0.05 in (1.4 mm)	
Mounting Method	Sew into hem or pouch or heat seal under a patch for textile applications. Glue and injection molding for other applications.	
Affixes To	Personal garments and any other products such as surgical tools, metal containers and bottles, signs and electric poles.	
Material	Epoxy	
Color	Black	
	WASHING	
Exposure	2.5 bars (36.25 PSI)	
Tunnel Washer	194°F (90°C) / 15 minutes	
Pre-Drying in Tumbler	320° F (160° C) / 15 minutes	
Tunnel Finisher	365° F (185° C) / 30 minutes	
Sterilization Process	273°F (134°C) / 20 minutes	
Water Extrator Press	60 bars (performance level measured and guaranteed in HID's Laundry tests and conditions)	
Chemical Resistance	All standard chemicals used in laundry process	
	THERMAL	
Storage	-40°F to 185°F (-40°C to 85°C)	
Operating Frequency	-40°F to 185°F (-40°C to 85°C)	
Peak	392°F (200°C) / 15 seconds at 2.5 bars (36.28 PSI)	
	OTHER	
Standards	UHF EPC Class 1 Gen 2, ISO 18000-63	
Box Size	2000 pcs.	
Options	Chip reference and date code laser-engraved on transponder housing	
Warranty	1 year	

HID



1 (888) 238-1155 Inside USA • 1 (205) 383-2244 Outside USA
info@atlasRFIDstore.com • www.atlasRFIDstore.com

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