

3M™ RFID Tracking Tag

The heart of the 3M™ RFID File Tracking System is the 3M™ RFID Tracking Tag, a paper-thin reprogrammable tag composed of an antenna and a microchip. When attached to a file folder, it can be inventoried or checked in and out of virtually any location using the 3M™ RFID Handheld Tracker or the 3M™ RFID Tracking Pad.

The Tracking Tags can be placed on files or storage boxes filled with files that are going to conference rooms or offsite storage, or are being transferred to another location.

When files are stacked in offices or other areas outside of the file room, inventory and searches can be performed by using the Handheld Tracker. There is no need to touch each file. You simply scan the files and the information is automatically recorded into the Handheld Tracker. Transferring the data from the Handheld Tracker to the database is simple, keeping the database current.

In addition to being guaranteed for the life of the original file they're affixed to, tags only carry the item ID, thus helping to protect client privacy. And because RFID technology eliminates the need for "line of sight," checkout and return are simplified.

RFID Tag

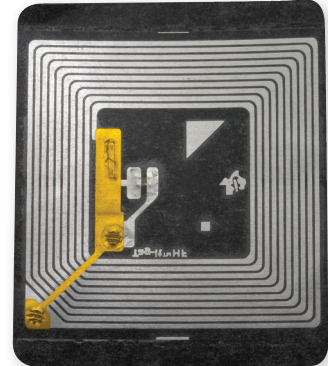
- Identifies files
- Tag warranty (life of file)

Rewritable

- Information can be changed and updated
- Memory chip stores file information

Accelerated Age Tested

- Longevity
- Read range reliability



Specifications

Operating Frequency	13.56 MHz
Antenna Size	1.8 in. x 1.8 in. (45 mm x 45 mm)
Tag Power Source	Passive tag powered from RF interrogation field.
Read/Write	Unlimited number of read cycles and up to 100,000 write cycles.
Anti-collision	Yes – Linear Algorithm
Memory Format	Permanent ID factory programmed. 256-bits programmable read/write user memory organized in 8 x 32-bit blocks.
RFID Inlay Operating Temperatures	-13°F to +158°F (-25°C to +70°C)
Long-term storage and operating temperatures for the RFID tag	50°F to 90°F (10°C to 32°C) and at 20% to 70% relative humidity.
Shelf Life	For best adhesion results apply within two years of purchase date.
RFID Tag Construction	The RFID tag is composed of a laminate construction, which consists of various layers including: RFID inlay/transponder, adhesives, inks, and paper materials.
RFID Tag Format	The RFID tag is 2.25 in. wide by 1.89 in. long (57.2 mm x 48 mm), on a 3 in. wide liner with 1,000 tags per roll.



3M Track and Trace Solutions

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