

Active RFID Tags



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FCC Compliance

The system is designed to operate with RF Code Active RFID Tags – Whose operating frequency is 433.92 MHz which have been certified or are in the certification process. These devices comply with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) these devices may not cause harmful interference, and
- (2) these devices must accept any interference received, including interference that may cause undesired operation.
 - a. FCC ID: P6F2005433 for standard products.
 - b. FCC ID: P6F433MHZ for safety and security products.
 - c. FCC ID: P6FX for M174 products.
 - d. FCC ID: P6FY for M180 products.

CE Compliance

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures. This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

WEEE Compliance



Do Not Dispose Product with Municipal Waste. Special Collection/Disposal Required.

Battery Statement

RF Code warrants all tags to be free from defects in materials and workmanship for a period of 1 year.

In most asset tag deployment scenarios, RF Code tags with a 10-second beacon rate have a useful life of 5-to-7 years.

In most sensor tag deployment scenarios, RF Code tags will typically have a useful life of 5 or more years.

Exposure to extreme temperatures for all tags will shorten the battery life.

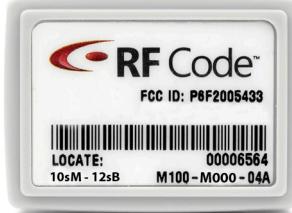
Introduction

RF Code Active RFID tags are battery-powered RF transmitters that attach to items that need to be tracked, located and identified. Every tag broadcasts its unique ID and a status message at a periodic rate (that is programmed at the factory). With a modular design and low price, tags provide an economical solution to a wide variety of problems. RF Code's patented communication protocols allow for very high tag densities. Large populations of tags can be deployed in highly scalable asset tracking environments.

RF Code currently offers a family of Active RFID tags that work in conjunction with the RF Code line of Active RFID Readers and Software to meet many different tracking and monitoring needs.

Features

M-Series Tags



Name	Part Number	Size
M100 General Asset Tag	M100-0010: 10 second beacon M100-M000: Motion M100-T000: Tamper	Case length: 1.84 in Case width: 1.35 in Case height: 0.46 in Case weight: 1.20 oz.
M102-i Infrared Asset Tag	M102-iM00: IR & Motion M102-iMT0: IR, Motion & Tamper	Case length: 1.84 in Case width: 1.35 in Case height: 0.46 in Case weight: 1.20 oz.



Name	Part Number	Size
M163 Wristband Tag	M163-0002 : 2 second beacon, Security Tag	Case width: 1.854 in Case depth: 1.890 in Case height: 0.553 in Case weight: 0.50 oz.
M163-i Infrared Wristband Tag	M163-iM00: IR & Motion	Case width: 1.854 in Case depth: 1.890 in Case height: 0.553 in Case weight: 0.50 oz.
M171 Durable Tag	M171-0010: 10 second beacon M171-M000: Motion M171-T000: Tamper	Case width: 1.330 in. Case length: 1.770 in. Case height: 0.441 in. Case weight: 0.52 oz.
M172-i Infrared Durable Tag	M172-iM00: IR & Motion M172-iMT0: IR & Motion & Tamper	Case width: 1.330 in. Case length: 1.770 in. Case height: 0.441 in. Case weight: 0.52 oz.
M174 Infrared Tag with Tamper Tether	M174-iT00: IR & Tamper	Case length: 1.56 in Case width: 1.27 in Case Height: 0.33 in
M175 Rugged Tag	M175-0010: 10 second beacon	Case width: 2.51 in Case depth: 1.485 in Case height: 1.00 in Case weight: 1.80 oz.
M180 Small Asset Tag	M180-0010: 10 second beacon	Round Case: 1.22 in (diameter) Case Height: 0.47 in

R-Series Tags



Name	Part Number	Size
R100 IT Asset Tag	R100-0010: 10 second beacon	Case width: 2.22 in. Case height: 0.35 in. Case depth: 4.96 in. Case weight: 0.46 oz.
R104-i IR IT Asset Tag	R104-iR00: 10 - 50 second beacon	Case width: 2.22 in. Case height: 0.51 in. Case depth: 4.96 in. Case weight: 1.20 oz.
Tag R110 Flex-Mount Tag	R110-0010: 10 second beacon	Case width: 2.22 in. Case height: 0.30 in. Case depth: 1.72 in. Case weight: 0.40 oz.
R114-i IR Flex-Mount	R114-i000: 10 - 50 second beacon	Case width: 2.22 in. Case height: 0.51 in. Case depth: 1.74 in. Case weight: 1.20 oz.
R120 Door Tag	R120-0B10: 10 second beacon	Case width: 1.84 in. Case length: 1.35 in. Case height: 0.46 in. Case weight: 1.20 oz.
R130 Dry Contact Tag	R130-0B10: 10 second beacon	Case width: 2.88 in. Case length: 1.70 in. Case height: 0.50 in. Case weight: 0.66 oz. Wire length: 12 in.

Name	Part Number	Size
	R135 Fluid Detector Tag	R135-0B50: 10 second beacon w/50 cm sensor film Case width: 2.88 in. Case depth: 1.70 in. Case height: 0.50 in. Case weight: 0.66 oz. Cable length: 9.84 ft.
	R150 Temperature Tag	R150-5B10: 10 second beacon Case width: 2.22 in. Case depth: 1.74 in. Case height: 0.35 in. Case weight: 1.2 oz.
	R155 Humidity-Temperature Tag	R155-5B10: 10 second beacon Case width: 2.22 in. Case depth: 1.74 in. Case height: 0.35 in. Case weight: 1.2 oz.

Limited Standard Warranty Terms

RF Code warrants its products to be free from defects in materials and workmanship for a period of 1 year (12 months) for hardware and software from the date of purchase from RF Code. Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser (end-user) and is not transferable.

Standard Warranty Limitations

Except as provided herein, the entire liability of RF Code and its suppliers under this limited warranty will be that RF Code will use reasonable efforts to repair or replace, without charge, all defective Products returned to RF Code by Customer, all as more particularly described in the End User Warranty. Except for the express warranties STATED HEREIN, RF Code makes no other representations or warranties and RF Code hereby disclaims all other warranties, express, implied, statutory, or otherwise, including without limitation, any warranty of merchantability, non-infringement of third party intellectual property rights, fitness for a particular purpose, performance, satisfactory quality, or arising from a course of dealing, usage or trade practice.