

# Express FM

## Overview

### Chip

FM13UF0051E

### EPC

160bits

### USER

32bits

### Antenna Dimensions

95\*8mm

### Frequency Band

860MHz-960MHz

### International Standard

EPCglobal C1 Gen2 and ISO18000-6C

### Industry Segments

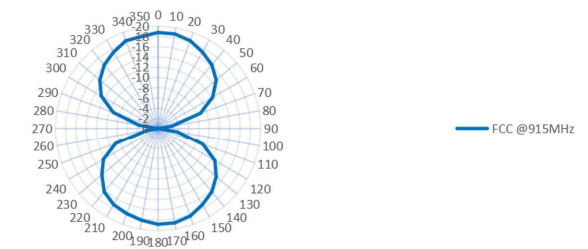
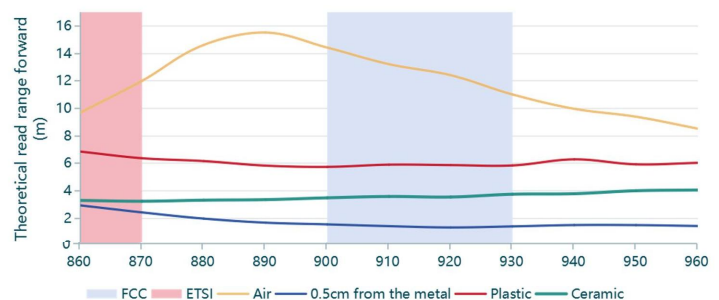
Logistic、Industrial

### Applications

Express parcels and Warehouse Management



The high-performance RFID inlay, capable of being configured into multiple form factors, delivers operational excellence across specialized applications including automated logistics tracking systems, automotive windshield integration, and intelligent supply chain management platforms.



### Address

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### Contact

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# Technical features

|                       | Dry                                        | Wet                                    | Paper-face                             |
|-----------------------|--------------------------------------------|----------------------------------------|----------------------------------------|
| Product Code          | CTU43101-514D                              | CTU43101-514W                          | CTU43101-514L                          |
| Antenna Size          | 95*8mm<br>3.74*0.31in                      | 95*8mm<br>3.74*0.31in                  | 95*8mm<br>3.74*0.31in                  |
| Finish Size           | -<br>-                                     | 98*11mm<br>3.86*0.43in                 | 98*11mm<br>3.86*0.43in                 |
| Web Width             | 113mm<br>4.45in                            | 104mm<br>4.09in                        | 104mm<br>4.09in                        |
| Pitch                 | 15.875mm<br>0.63in                         | 15.875mm<br>0.63in                     | 15.875mm<br>0.63in                     |
| Antenna Material      | Aluminium                                  | Aluminium                              | Aluminium                              |
| Front Face            | -                                          | PET Clear/PET White/Paper              | Paper                                  |
| Inlay Substrate       | PET Clear/PET White/Paper                  | PET Clear/PET White/Paper              | PET Clear/Paper                        |
| Inlay Adhesive        | -                                          | Permanent                              | Permanent                              |
| Liner                 | -                                          | Paper                                  | Paper                                  |
| Operating Temperature | -20°C/50°C   -4°F/+122°F                   | -20°C/50°C   -4°F/+122°F               | -20°C/50°C   -4°F/+122°F               |
| Shelf Life Time       | @20% to 80% RH<br>2/2/1 years @+25°C/40%RH | @20% to 80% RH<br>1 years @+25°C/40%RH | @20% to 80% RH<br>1 years @+25°C/40%RH |
| Inlays/Roll           | 28000pcs                                   | 34000pcs                               | 6000pcs                                |
| Rolls/Box             | 3                                          | 2                                      | 3                                      |

# Technical features

|                  | Dry                                | Wet                                  | Paper-face                           |
|------------------|------------------------------------|--------------------------------------|--------------------------------------|
| Inlays/Box       | 84000pcs                           | 68000pcs                             | 18000pcs                             |
| Box Size         | 240*240*365mm<br>9.45*9.45*14.37in | 290*290*365mm<br>11.42*11.42*14.37in | 360*360*285mm<br>14.17*14.17*11.22in |
| Box Gross Weight | 14kg                               | 17kg                                 | 10kg                                 |
| Final Inspection | 100% tested                        | 100% tested                          | 100% tested                          |