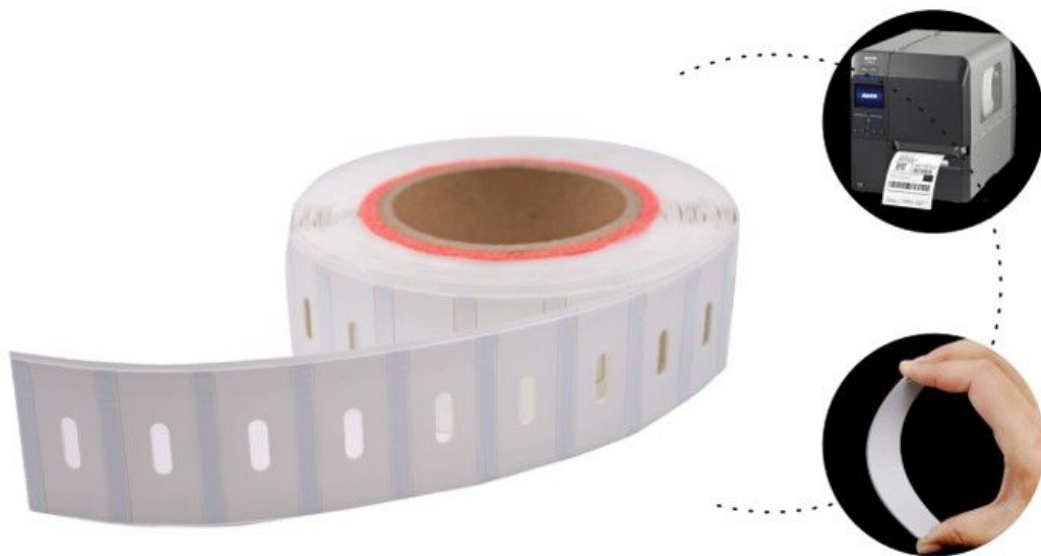


## ***Flexible On-metal UHF RFID Label Product Datasheet***

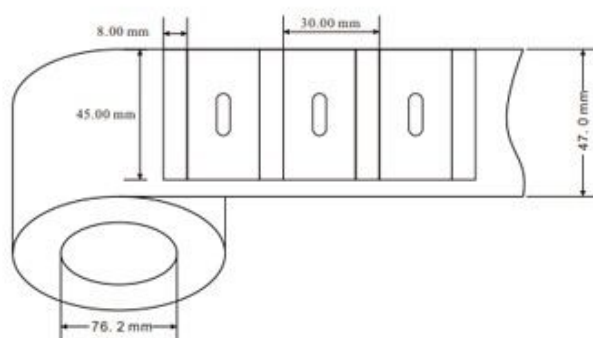
### **Model: F4508-1**



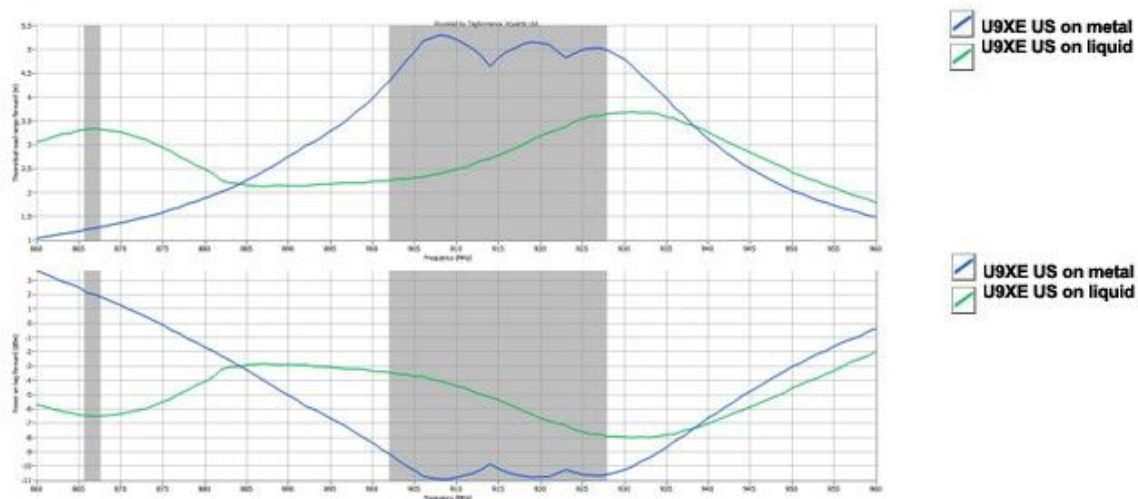
**Flexible On-metal UHF RFID Labels** are a cutting-edge solution designed for seamless application on metallic assets, including irregular and uneven surfaces. Constructed from thin, adaptable materials, these labels outperform traditional RFID tags by conforming effortlessly to flat, curved, or even liquid-containing metal surfaces. Their flexibility ensures reliable performance and superior durability, making them ideal for tracking a wide range of assets such as shelves, containers, electronics, and cosmetics.

Like standard RFID labels, these tags can be printed and encoded using compatible RFID printers, allowing for easy customization with logos, barcodes, and other visual elements. This integration simplifies asset management workflows, enabling quick and efficient identification, tracking, and monitoring of valuable resources. Whether for industrial or commercial use, Flexible On-metal UHF RFID Labels provide a versatile and durable solution for optimizing asset management processes.

## Dimensions:



## Read Range:



## Product Parameters

|              |                                         |
|--------------|-----------------------------------------|
| Mdoel        | F4508-1                                 |
| Material     | PET/Aluminum Foil/Foam                  |
| Dimensions   | 45 x 8 x 1 mm (L x W x T)               |
| Working Temp | -40~+85℃                                |
| Storage Temp | -40~+100℃                               |
| IP Rating    | IP68, test for 5 hours at 1m deep water |

|                             |                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| RFID Standard               | EPC C1G2 (ISO18000-6C)                                                                                           |
| Chip Type                   | NXP Ucode 9xe                                                                                                    |
| Memory                      | User - N/A; EPC - 128 bits; TID - 96 bits; Kill password-32 bits                                                 |
| Read Range(Fixed Reader)    | FCC: 5.4m, on metal                                                                                              |
| Read Range(Handheld Reader) | FCC: 3.6m, on liquid                                                                                             |
| Data Storage                | > 10 years                                                                                                       |
| Re-write                    | 100000 times                                                                                                     |
| Installation                | Adhesive                                                                                                         |
| Support Printer             | SATO CL4NX, Zebra ZT410 Silverline, Postek TX3r, etc.                                                            |
| Customization               | Logo, parcode/QR code, number printing, encoding, antenna design, etc.                                           |
| Package                     | Reel core inner dimension: 76.2mm/3",500pcs/roll.                                                                |
| Application                 | Metallic container tracking   Equipment& device tracking<br>Warehouse shelf Management   IT asset tracking, etc. |

## ***Application***

