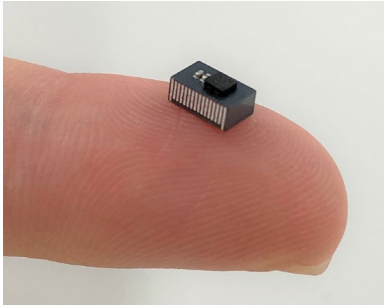


Soft ferrite product



# Ferrite IC Tag/NFC Tag [MBT-0503]

## FEATURES

MBT-0503 is a small and metal-compatible IC tag/NFC tag in the HF (13.56MHz) band. It is developed with TODA KOGYO's ferrite materials, unique design, and manufacturing technologies. It can be used for new applications that is unavailable with traditional tags.

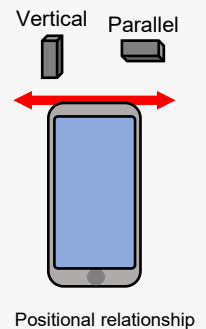
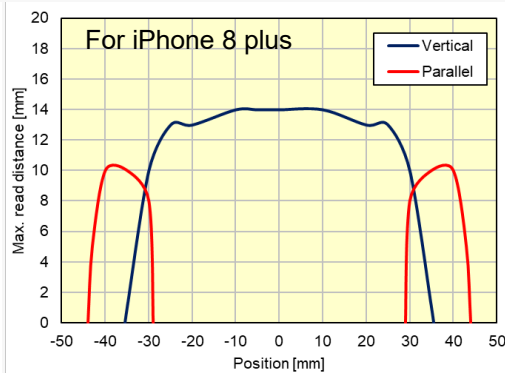
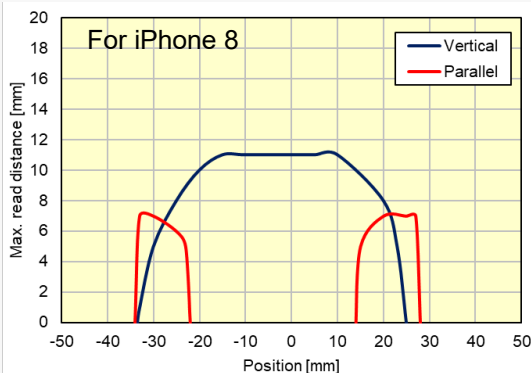
## CHARACTERISTICS

- 1 Very small size**  
It can be placed at narrow space.
- 2 Metal-compatible tag**  
It shows superior communication characteristics even on metal.
- 3 High heat resistance**  
It has enough heat resistance for SMD mounting and embedding into resin molding.
- 4 Multidirectional communication**  
It is possible to read the tag in vertical and horizontal directions.

## SPECIFICATIONS

[Specifications of MBT-0503]

Size	4.9×3.0×2.4 mm
IC Chip	NTAG213/ICODE SLIX(NXP Semiconductors), ST25TV02K/ST25TA02K(STMicroelectronics), MB89R118(Fujitsu Semiconductor)
Standard	ISO/IEC 14443 type A (NFC Forum Type2) ISO/IEC 15693 (NFC Forum Type5)



[Read communication characteristics when using a smartphone]

The characteristics are different when reading with other models and Android smartphones.

## APPLICATIONS

- NFC antennas/NFC devices
- PCB management and traceability
- Mounting on metal products, jigs and small parts

※iPhone is a trademark of Apple Inc.  
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**TODA**  
**TODA KOGYO CORP.**  
戸田工業株式会社

Tokyo Office  
Shiba Mita Mori Building 6F, 5-13-15 Shiba, Minato-ku, Tokyo 108-0014, Japan  
<https://www.todakogyo.co.jp/english/>  
TEL. +81-3-5439-6040 webmaster@todakogyo.co.jp



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