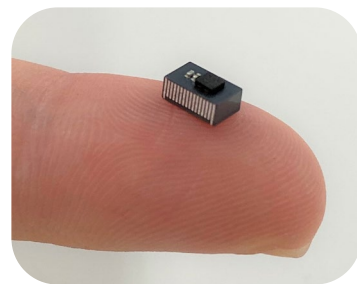


Soft ferrite product

Ferrite IC Tag/NFC Tag [MBT-0503]



OVERVIEW

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.

FEATURES

Very small size

It can be placed at narrow space.

Metal-compatible tag

It shows superior communication characteristics even on metal.

High heat resistance

It has enough heat resistance for SMD mounting and embedding into resin molding.

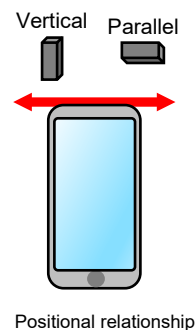
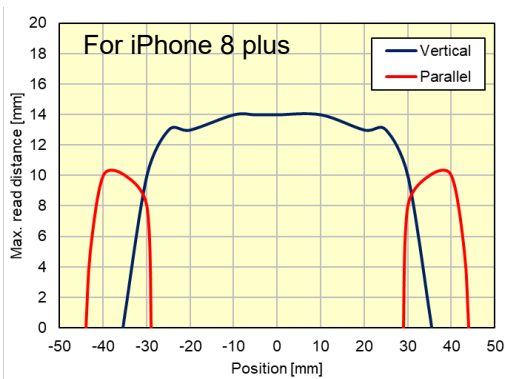
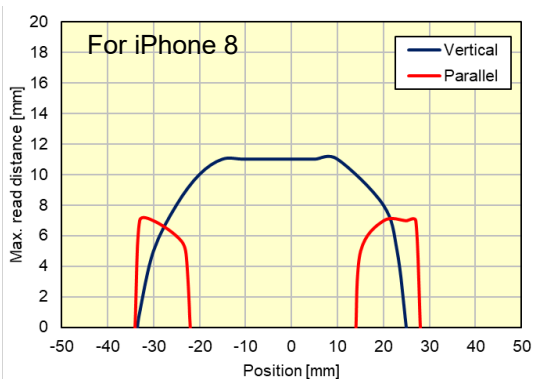
Multidirectional communication

It is possible to read the tag in vertical and horizontal directions.

CHARACTERISTICS

【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

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