

# PRODUCT DATASHEET

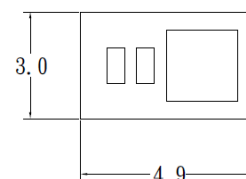
## NFC Ferrite Tag 0503 – F

### Embed to Empower Your Small Device with NFC Functions

0503 (size in 5x3mm) Ferrite Tag features its small and compact size. It can be embedded to an item to instantly empower it with NFC function. Meanwhile, Ferrite Tag has superior heat tolerance to survive extreme use condition.

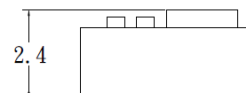
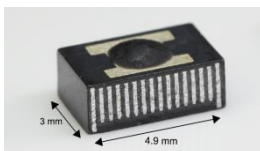
### Features

- Ultra small in size
- Great resistibility to high/low temperature
- On-Metal or Non-Metal type available



### Applications

- Product Identification
- Item-level Tracking

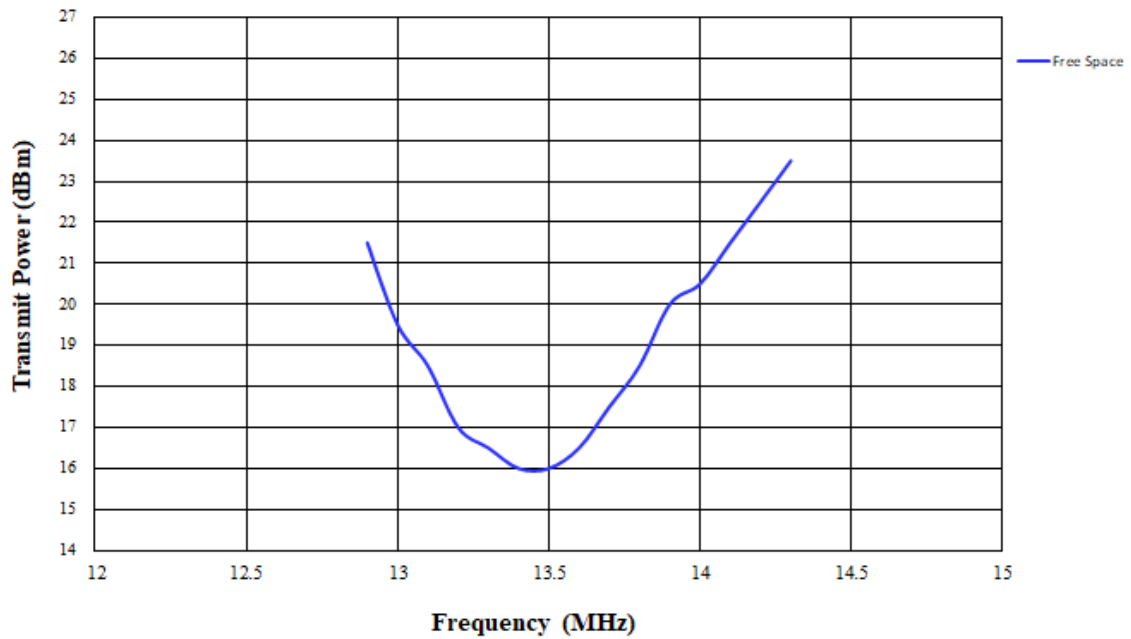


### RF Specification

<b>IC Type</b>	ST25TV02K
<b>Memory</b>	EEPROM 2 kbit
<b>RF Interface Protocol</b>	ISO/ ICE 15693
<b>Operating Frequency</b>	13.56 MHz
<b>Applicable Surface</b>	Non - Metal

### Physical Specification

<b>Material</b>	Ferrite
<b>Size</b>	L 4.9 mm/ 0.19 in W 3.0mm/ 0.11 in Thickness 2.5mm/ 0.09 in <small>*The exact size is mainly based on metric unit.</small>
<b>IP Rating</b>	IP65
<b>Attachment</b>	SMD Process / Insert molding Applicable



\*HF sensitivity shown in the figure is measured by Testram UD Loop Antenna 13phi. Actual sensitivity performance is subject to the environment in practice.

### Environmental Resistance

<b>Operating Temperature</b>	-40°C to +85°C
<b>Storage Temperature</b>	-60°C to +200°C
<b>Warranty</b>	One Year

Ref. No: Digi-ley / 420970816-02299

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