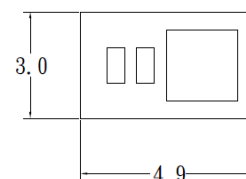# PRODUCT DATASHEET

NFC Ferrite Tag 0503 – M

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.
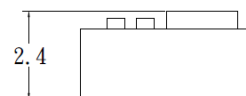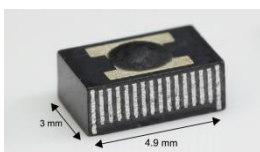
Features

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

Applications

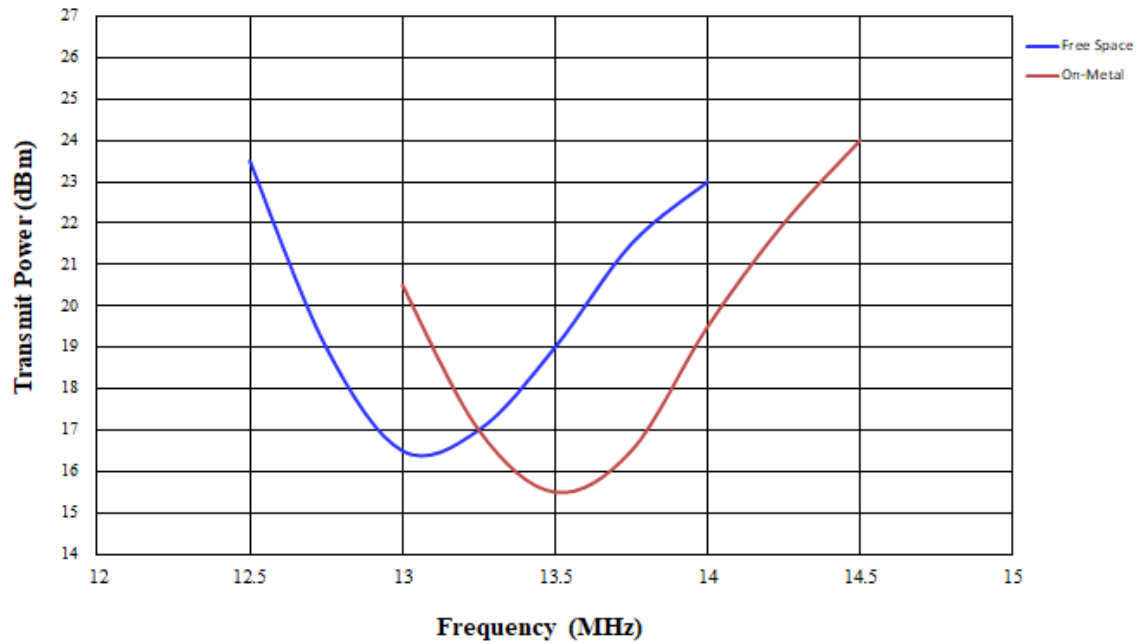- Product Identification
- Item-level Tracking

RF Specification	
IC Type	ST25TV02K
Memory	EEPROM 2 kbit
RF Interface Protocol	ISO/ ICE 15693
Operating Frequency	13.56 MHz
Applicable Surface	On-Metal

Physical Specification	
Material	Ferrite
Size	L 4.9 mm/ 0.19 in
	W 3.0mm/ 0.11 in
	Thickness 2.5mm/ 0.09 in
	*The exact size is mainly based on metric unit.
IP Rating	IP65
Attachment	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	
Operating Temperature	-40°C to +85°C
Storage Temperature	-60°C to +200°C
Warranty	One Year

Ref. No: Digi-ley / 420970816-02299