PRODUCT DATASHEET

RFID Bolt Tag – M8

A Heavy-duty Tag for Industrial Identification

Bolt Tag is an industrial grade bolt with an RFID tag embedded inside.   As the bolt body is made of steel with thread, user can screw the tag to a metal part and make it automatically identified. This helps provide the visibility and smart management in a production facility.   Equipped with Fujitsu MB89R118C FRAM chip, this tag also features high security, read/write speed, and radiation tolerance for more advanced applications.

Features

- Robust housing to withstand harsh conditions
- ISO898-1 compliant
- Easy installation to a metal part
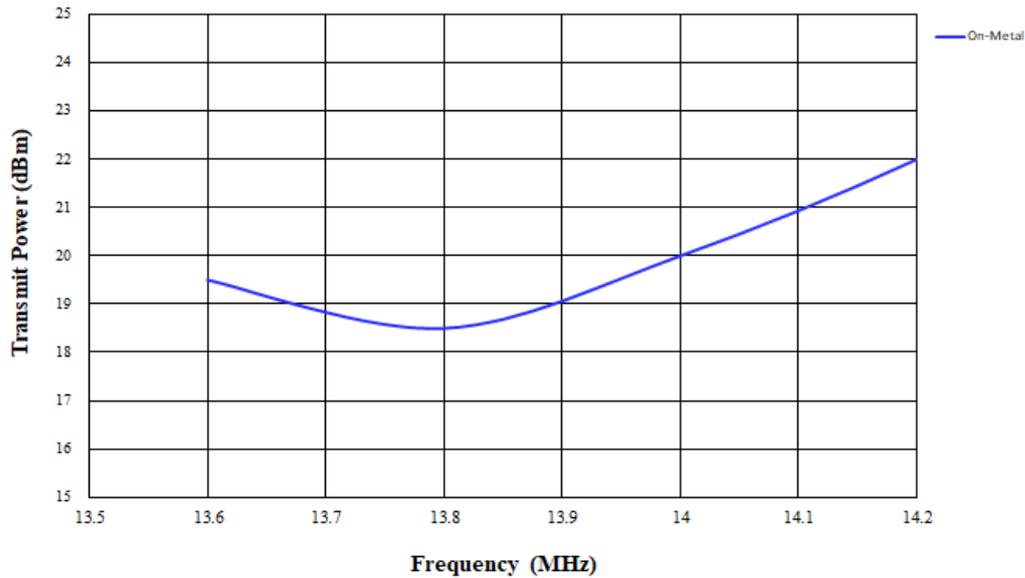- Fujitsu MB89R118C FRAM chip in use

Applications

- Machine or industrial equipment identification
- Automotive parts management
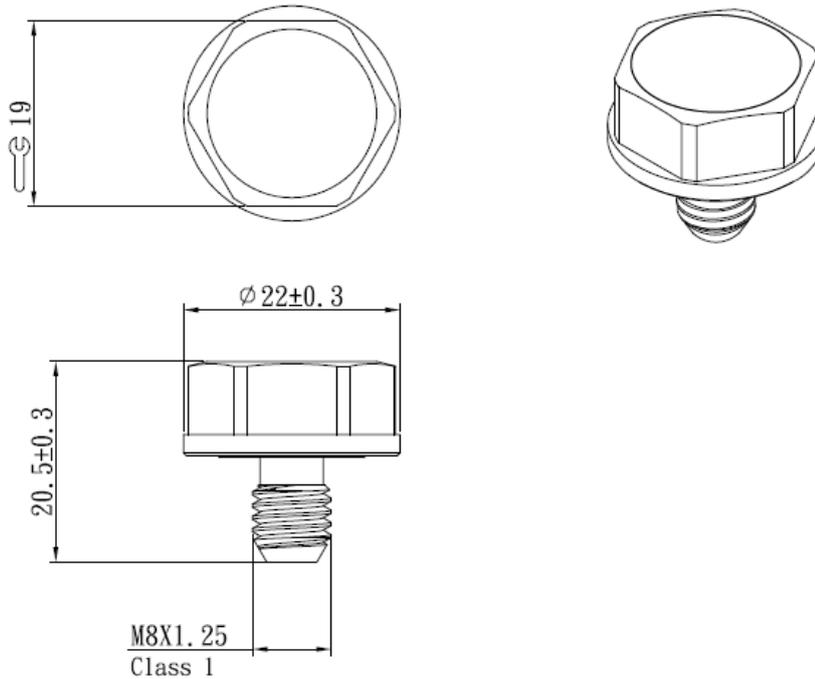- Manufacturing process control

RF Specification	
IC Type	Fujitsu MB89R118
Memory	UID 64 bit
	User memory 2K byte
RF Interface Protocol	ISO 15693
Operating Frequency	13.56 MHz
Applicable Surface	On - Metal

Environmental Resistance	
Operating Temperature	-20°C to +85°C
Storage Temperature	-25°C to +125°C
Weight	16g
Warranty	One Year

*HF sensitivity shown in the figure is measured by Voyantic Tagformance HF Loop Antenna C60. Actual sensitivity performance is subject to the environment in practice.

Ø 19

Ø 22±0.3

20.5±0.3

M8X1.25
Class 1

Physical Specification

Color	Black
Material	Steel: SCM440 Plastic:PA6
Size	Head 19mm Thread M8 *The exact size is mainly based on metric unit.
IP Rating	IP68
Attachment	M8 Type Screw

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