

HF1709-38

Protocol

ISO 18000-3M3

Operating frequency

13.56 MHz

Antenna size

76*45mm / 2.99*1.77 inch



Key features

- EAS (Electronic Article Surveillance) functionality.
- Long read/write ranges due to extremely low-power design.
- Reliable operation of multiple tags due to advanced anti-collision (up to 800 tags/s).
- Fast initialization (write EPC).

Electrical Specifications

ICODE ILT memory sections

Name	Size
ICODE ILT	64 bit Reserved memory + 240 bit EPC + 96 bit TID

General Characteristics of Inlay

Inlay Substrate Material	PET
Antenna Material	Aluminum
Operating Temperature	-40 °C - 85 °C / 40 °F - 185 °F
Bending Diameter	>50mm / 1.97"
Static Pressure	< 10MPa

Delivery formats

Available formats	wet/dry inlay, tag, card
Quality	100% performance tested

Test graph

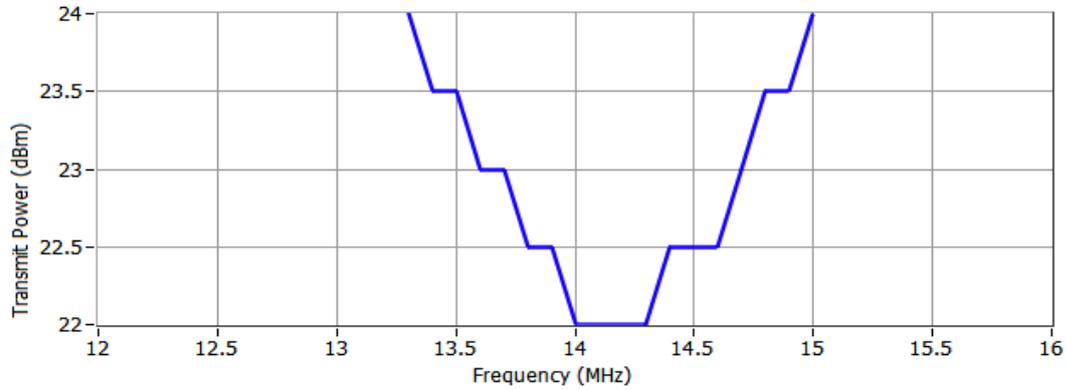


Figure 1

Figure 1 shows the resonance frequency of the tag.

Figure 2

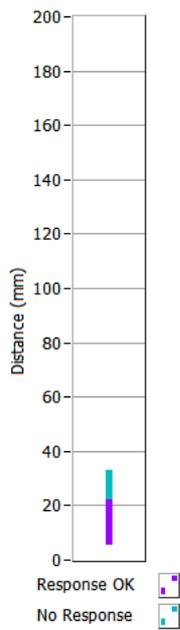


Figure 3

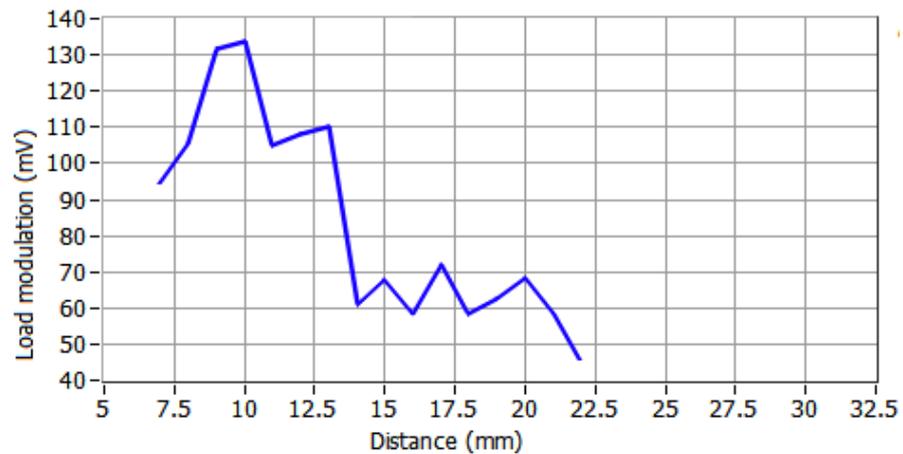


Figure 2 shows the measurement distance of the tag.

Figure 3 shows the measurement distance of the tag and the received tag signal strength from the measurement tag.