

# HF1709-6

## Protocol

ISO 18000-3M3

## Operating frequency

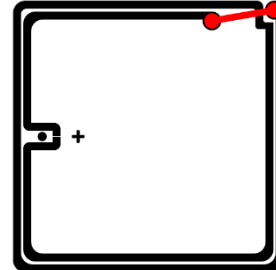
13.56 MHz

## Antenna size

45\*45mm / 1.77\*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

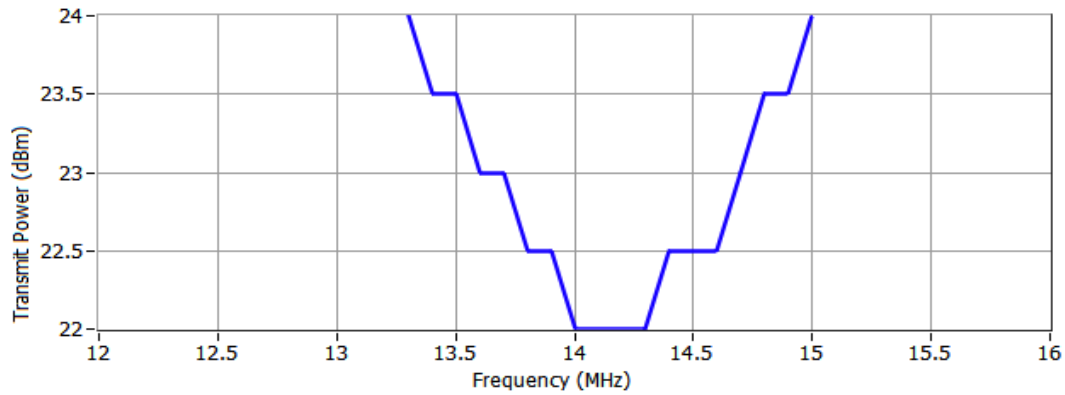
## General Characteristics of Inlay

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

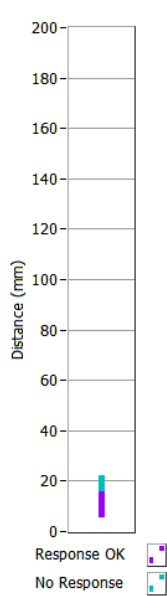
Available formats	wet/dry inlay, tag, card
Quality	100% performance tested

## Test graph

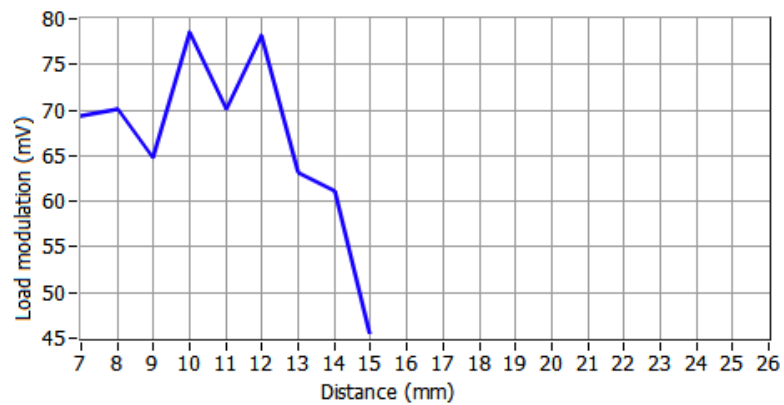


**Figure 1**

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.