

PREMOTAG 13.56MHz

Tag-on-metal

Tags

PREMO RFID Components PREMOTAG provides a reliable solution in HF band radio frequency identification field (13.56 MHz - ISM license free). Its design is optimized for metallic objects identification.

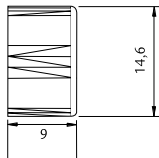
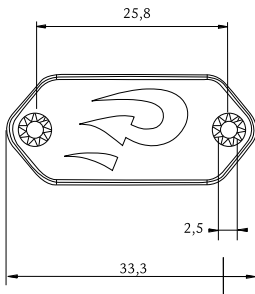
The small size is obtained due its special ferrite core (instead of air coil) that provides higher sensitivity to magnetic field of the reader antenna.

Plastic enclosure comply IP68 and is resistant to conditions present in industrial and outdoor environments (dust, rain, vibration, etc.).

The chip inside is NXP ICODE SLI (others under request).

Typical applications

- Metallic containers.
- Gas cylinders.
- Metallic barrels.
- Tote boxes.
- Industrial equipments.



Frequency of operation

- 13.56 MHz.

Dimensions (mm) and weight

- 33.3 x 14.6 x 9 (lxwxh).
- 6 gr.

Protocol and memory

- ISO 15693 (ISO18000-3 air interface).
- Anticollision.
- 1Kb of memory (ICODE).

Mounting methods

- Screws of up to M2,5.
- Small rivets.
- Double-side adhesive strips.

Enclosure material

- Polyamid PA6.

Read Range Preformance (2W ERP)

- 25-30 cm¹.

Operation temperature

- -20°C to +70°C.

Enviromental and safety information

- IP68 water-resistant.
- UL94 V-0 flame-resistant.

¹ With 4W of output power reader and depending on enviromental factors.