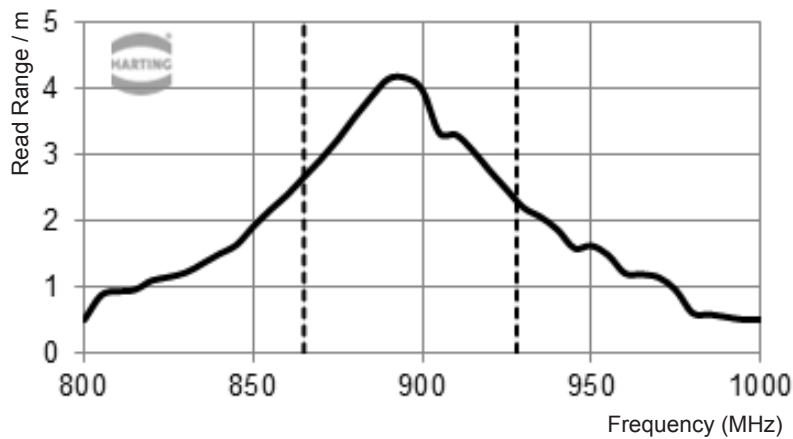


Technical characteristics

| | |
|--------------------------|---------------------------------------|
| Frequency range | 860 ... 930 MHz, global use possible |
| Protocol | EPC Class 1 Gen 2 |
| EPC / User Memory (Chip) | 160 Bit / 3328 Bit (NXP UCODE I2C) |
| Read range | on metal, 2 W ERP, 868 MHz: up to 2 m |
| Temperature range | |
| Operational | -40 °C ... +85 °C |
| Storage | -55 °C ... +125 °C |
| Housing | |
| Dimensions (W x D x H) | 41 x 11 x 5.15 mm |
| Protection class | IP67 / IP69K |
| Mounting | screw, rivets, glue |
| Colour | black |

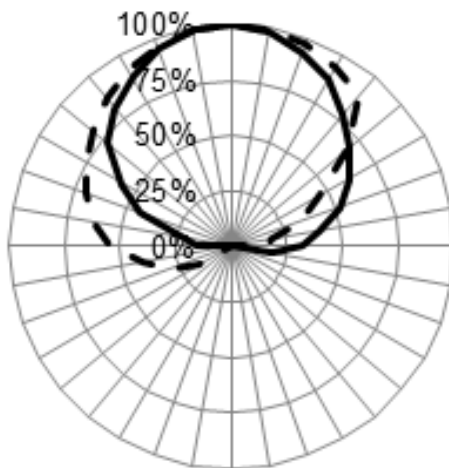
Measurements

Read Range



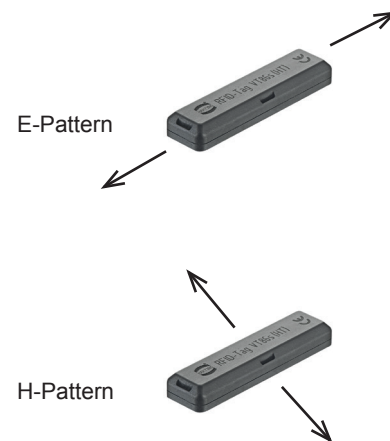
— on metal
200 x 200 mm
forward

Theoretical read range measured in free field conditions (radiated power: 2 W ERP)



— E-Pattern

- - H-Pattern



The general shape of the radiation pattern remains the same, regardless of:

- Placement of transponder on different metallic surfaces
- 868 MHz or 915 MHz

Available
June 2015



Transponder
Ha-VIS RFID VT 89 L (HT)

Features

- Global use possible thanks to wideband antenna design
- Increased memory (User Memory 3.3 kBit)
- Robust, chemically resistant housing
- Small size
- Flexible mounting
- High temperature resistance
- Protection class IP69K
- Integration in type labels possible

General description

- Particularly robust and durable transponder for repair and maintenance applications in extremely harsh environments
- Optimised for function on metal
- EPC Class 1 Gen 2 compatible
- Read range
on metal, 2 W ERP, 868 MHz: up to 2 m

Identification

Part number

Drawing

Dimensions in mm

Ha-VIS RFID VT 89 L (HT)

Packaging unit: - 10 pieces
- 50 pieces

20 92 642 0201
20 92 642 0202

