

UHF RFID HARSH-TAG-80

Tag-on-metal

Tags



PREMO RFID Components HARSH-TAG-80 provides a reliable solution in UHF band radio frequency identification field. Its design allows high reading performance even over metallic objects.

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

The tag inside is fully EPC Gen 2 compatible, with 96 bits of free memory for user data.

Typical applications

- Reusable plastic containers (RPC)
- Wood or Metal cages
- Pallets and Unit Loading Devices (ULD)
- Vehicles
- Tractors and Trailers

Frequency of operation

- 866 MHz to 954 MHz (Global).

Dimensions (mm) and weight

- 125 x 81 x 15 (l_wxh)
- 150 gr.

Protocol and memory

- EPC Class1 Gen 2.
- Others protocols under demand.
- 96 bits of memory.

Mounting methods

- Screws of up to #4.
- Standard rivets.
- Double-side adhesive strips.

Enclosure material

- Polyamid PA6.

Read Range Performance (2W ERP)

- >4 metres (on non-metal surfaces).
- ≈ 2 metres (on metal surfaces)¹.
- Insensitive to antenna reader orientation.

Operation temperature

- -40°C to +65°C.

Environmental and safety information

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

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

