

Confidex Corona heat resistant tag for industrial solutions



Confidex Corona™ tag is a brand new, UHF EPC Class1 Generation2 (ISOv18000-6C) compliant product for industrial manufacturing applications. Designed to be used as a Hang-Tag in particularly harsh environments, the Corona is ideally suited for tracking items through industrial electrophoretic painting processes such as is used in the automotive industry.

Chemical resistant and able to survive extremely high temperatures, the Confidex Corona shines in demanding environments. With Corona, industrial manufacturers can leverage standards based passive RFID technologies to provide discreet visibility for monitoring WIP (work-in-progress) inventory in environments that have historically proven to be challenging for Auto ID technologies.

Typical applications

In its primary application Confidex Corona can be used for tracking car bodies through the manufacturing processes, including the coating and painting processes, which have been challenging for RFID tags due to several chemicals and high temperatures of the painting process.

The tag can be used in applications where reusability is not a definite requirement. UHF RFID label in the item level identification in comparison to permanent tags is a preferred choice. This drives both direct investment of the system down, but also costs related to indirect maintenance costs and labour.

Product Description

Dimensions

- 30 x 130 mm, thickness 270 µm
- 1.2 x 5.1 inches, thickness 11 mils

Frequency range

- 865 MHz - 928 MHz

Communication protocol

- EPC Class1 Generation 2

Read range

- approx. 3 m / 9.8 ft

IC and memory size

- 96-bit EPC Impinj Monza
- 512-bit EPC NXP UCODE

Encapsulation material

- Temperature resistant plastic

Process temperature

- 0 °C to +200 °C
- 32 °F to +392 °F

Reading temperature

- -40 °C to +65 °C
- -40 °F to +149 °F

Mounting

- Mechanical
- Adhesive

All rights reserved. © Confidex Ltd 2007