PRODUCT DATASHEET
Confidex Silverline Micro II™

On metal RFID label with small footprint and industry leading printing compliancy

ELECTRICAL SPECIFICATION

Device type
- Class 1 Generation 2 passive UHF RFID transponder

Air interface protocol
- EPCGlobal Class1 Gen2 ISO 18000-6C

Operational frequency
- ETSI: 865 - 869 MHz
- FCC: 902 - 928 MHz

IC type
- Impinj Monza R6-P™

Memory configuration
- EPC 96/128 bit; User 32/64 bit; TID 96 bit

EPC memory content
- Unique random 96bit EPC in every label

Read range (2W ERP)*
- ETSI and FCC
  - On metal up to 3,5 m / 12 ft
  - On plastic up to 1,5 m / 5 ft
  - On liquid up to 2 m / 7 ft

Applicable surface materials*
- Optimized for metal but works on any surface

Attachment on curved surface
- Label can be attached on a curved surface. Check installation instructions for more details.

MECHANICAL SPECIFICATION

Label surface
- Printable white PET, Zebra 5095 resin ribbon recommended

Background adhesive
- High performance acrylic adhesive optimized for metal and painted metal surfaces

Weight
- 0,3 g

Delivery format
- 600 pcs good labels on reel, bad ones marked with “XXX” printing.

Pitch on reel
- 25,4 mm / 1”

Reel core inner diameter
- 76 mm / 3”

Tag dimensions
- 45 x 13 x 1,3 mm / 1.77 x 0.51 x 0.05”

The Confidex Silverline family is designed and verified to work with the Custom Zebra ZT410 RFID Silverline and ZT411 On Metal printers. Other Zebra printers are not recommended or supported. Contact your Authorized Zebra Reseller for ordering information.

Set-up instructions and printer configurations specifically for Silverline tags and the compliant printers are available on Zebra.com or by contacting Zebra Technical Support.

* Read ranges are theoretical values that are calculated for non-reflective environment. Different surface materials may have an effect on performance.
When attaching the label ensure the following
- Select a smooth surface without uneven areas below tag
- Avoid touching the background adhesive and IC location

When mounting the label with its adhesive, clean and dry the surface for obtaining the maximum bond strength. Typical cleaning solvents are heptane or acetone for oily surfaces or isopropanol alcohol for plastics. Do not use household cleaning solvents that contain oils. Carefully read and follow the manufacturer’s precautions and directions for use when working with solvents.

Ideal application temperature is from +16°C to +38°C (+60°F to +100°F), bond strength can be improved with firm application pressure and moderate heating from +38°C to +54°C (+100°F to +130°F). Application at temperatures below 10°C (50°F) is not recommended. Final bond strength is achieved in 72 hours.

For optimal read range it is important to test different placement of label on the actual asset. It is recommended to leave metal at least to non-folded end of the label as shown below.

Minimum bending diameter of the Confidex Silverline Micro II™ is 100mm. For optimal performance please bend the label in the orientation shown below.