

PRODUCT DATASHEET

Confidex Silverline Blade™



Global on metal label with extreme performance.

ELECTRICAL SPECIFICATION

Device type

Class 1 Generation 2 passive UHF RFID transponder

Air interface protocol

EPCGlobal Class1 Gen2 ISO 18000-6C

Operational frequency

Global 865 – 928 MHz

IC type

Impinj Monza R6™

Memory configuration

EPC 96 bit; TID 96 bit with 48 bit serial number

EPC memory content

Unique number encoded as a default

Read range (2W ERP)*

On metal up to 4,5 m / 15 ft

On Plastic up to 1,5 m / 5 ft

Liquid containers up to 3 m / 10 ft

Applicable surface materials*

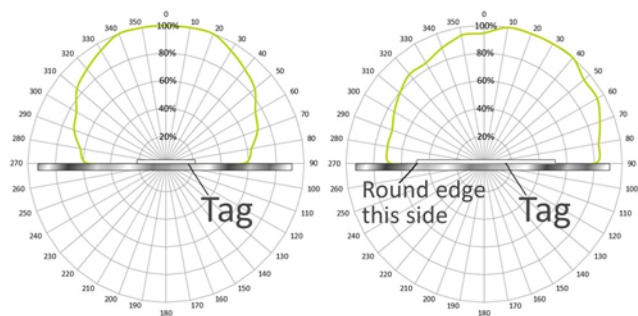
All surfaces, optimized for metal

Attachment on curved surface*

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

* Read ranges are theoretical values that are calculated for non-reflective environment. Different surface materials may have an effect on performance.

RADIATION PATTERNS



MECHANICAL SPECIFICATION

Label surface

White specially coated PP with good printability. Zebra 5095 resin ribbon recommended.

Background adhesive

High tack adhesive with excellent adhesion to all surfaces including low surface energy plastics.

Weight

0,6 g

Delivery format

500 pcs good labels on reel, bad ones marked with "XXX" printing. Typical yield >95%.

Pitch on reel

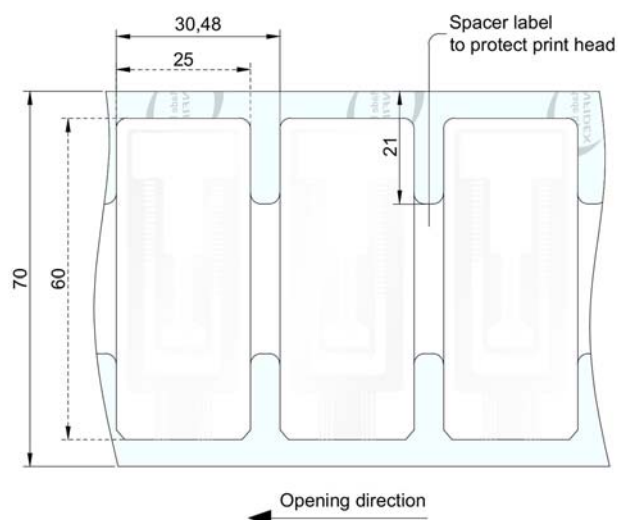
30,48 mm / 1.2"

Reel core inner diameter

76 mm / 3"

Tag dimensions

60 x 25 x 1.2 mm / 2.36 x 0.98 x 0.047"



ENVIRONMENTAL RESISTANCE

Operating temperature

-35°C to +85°C / -31°F to +185°F

Peak temperature

+110°C / 230°F for 10min

Ambient temperature

-35°C to +85°C / -31°F to +185°F

Water resistance

IP68, tested for 5 hours in 1m deep water

Washing resistance

Tolerates industrial washing with standard solvents. Washing process should be tested in final application.

Chemical resistance

No physical or performance changes in:

- 168h Sulfuric acid (10%, pH 2) exposure
- 168h Motor oil exposure
- 168h Salt water (salinity 10%) exposure
- 30min NaOH (10%, pH 13) exposure

Acetone should be avoided

Storage condition

1 year in +20°C / 50% RH

Environmental values are the best recommendations; resistance against different conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested.