

PRODUCT DATASHEET

DAC 400 UHF RFID Laundry Tag



An original KTS RFID tag with increased read range and high reading accuracy due to the new generation of RFID microchips.

Key Features

- High reading performances due to the new generation of RFID microchips.
- Increased read range.
- The slimmest of the DAC tag family.
- Ultra-high accuracy in Bulk Reading.
- Enhanced Adhesive Area – improved gluing on textile items.
- Indestructible at bending.

Electrical Specification

- **RFID Protocol**
UHF EPC Global Class 1 Gen2 (V1.2.0) and ISO 18000-6C
- **Tag type**
Passive Read/Write
- **IC**
NXP UCODE 9
- **Frequency range**
860 - 960 MHz
- **Memory**
EPC: 96 bits
- **Read range**
Up to 10 m
- **Substrate**
Textile fabric 50/50 Polycotton

Mechanical Specification

- **Dimensions & Weight**
67 x 10 x 1.5 mm; 0.40 g

Endurance in the Laundry Environment

- **Operating temperature in Laundry processes**
Washing: 90 °C (20 min)
Drying: 185 °C (50 min)
Ironing: 260 °C (20 sec)
- **Water extraction pressure**
Up to 60 bar
- **Autoclave**
135°C (15 min), 2.3 bar
- **Chemical resistance**
Normal, common chemicals in washing process.
- **Guaranteed lifetime**
First 200 wash cycles or 2 years from ship date.

Attaching Methods

- **Sewn in the hem of the textile item**
Possible to be sewn in standard 10 cm hem
- **Heat-sealing**
204 °C, 12 sec,
0.5 kg/cm2
- **Sewn in pouch**
Pouch dimensions:
80 x 25 mm



Packing

- In packages with 200 pcs each.

Certification

- **OEKO-TEX 100/class II, Hohenstein Institute, Germany**



Production:

- **Romania**