

PRODUCT DATASHEET

DAC 200 UHF RFID Laundry Tag



An original KTS RFID tag, with high sensitivity for increased reading range, to identify textiles in laundry processes.

Key Features

- Ultra-high accuracy in Bulk Reading.
- Reading capabilities with a low reader power radiation level.
- 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**
Monza R6-P
- **Frequency range**
865 - 868 MHz
- **Memory**
EPC: 128 bits
User: 64 bits
- **Read range**
Up to 6 m
- **Substrate**
Textile fabric 50/50 Polycotton

Mechanical Specification

- **Dimensions & Weight**
65 x 12 x 1.8 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**
- **Heat-sealing**
204 °C, 12 sec,
0.5 kg/cm²
- **Sewn in pouch**
Pouch dimensions:
70 x 15 mm

Packing

- In packages with 200 pcs each.

Certification

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



Production:

- Romania