

# PRODUCT DATASHEET

## DAC 500 M On Metal RFID Tag



An KTS RFID ultra-thin PCB On Metal RFID tag to identify trolleys in laundry logistics, and other metal surfaced goods in supply chain processes.

### Key Features

- High performance in hostile environment conditions.
- 5 Sides Waterproof Coating.
- Among the ultra-thinnest in its category.
- Long-term data retention.

### Electrical Specification

- **RFID Protocol**  
UHF EPC Global Class 1 Gen2 (V1.2.0) and ISO 18000-6C
- **Tag type**  
Passive Read/Write
- **IC**  
Alien Higgs 4
- **Frequency range**  
865-868 MHz
- **Memory**  
EPC: 128 bits  
User: 128 bits
- **Read range**  
Up to 3 m
- **Substrate**  
Rigid PCB

### Mechanical Specification

- **Dimensions & Weight**  
95 x 25 x 3.5 mm, 11 g  
3.2 mm Ø Holes

### Environmental Endurance

- **Operating temperature**  
- 20 °C -180 °C  
Waterproof
- **Chemical resistance**  
Normal, common chemicals.
- **Guaranteed lifetime**  
Up to 10 years data retention

### Attaching Methods

- **Rivet Bolting**



- **3M Adhesive Tape**



### Packing

- In packages with 21 pcs each.