

## Description:

The TK4100 contactless cards SMC4100 IC based on a roller connected with a few laps, which are then embedded in plastic. No batteries required. This map is read-only, 40-bit unique number in the Manchester code.

TK4100 is compatible EM4100. These cards are primarily used in access control, logistics automation, anticounterfeiting, industrial transponder.

**-Dimensions:** 85.6 × 54 × 1.8 (mm)

**-Weight:** 6.0 ±0.5g

**-Material:** With PVC

**-Color:** White (>1000PCS, can be printed)

**-Chip type:** TK4100 and EM4100 Compatible

**-Operating Temperature:** -10°C to +50°C

**-Storage Temperature:** -10°C to +50°C

### **TK4100/EM4100 Key Features:**

- 64 bit memory array laser programmable
- Several options of data rate and coding available
- On chip resonance capacitor
- On chip voltage limiter
- Full wave rectifier on chip
- Large modulation depth due to a low impedance modulation device
- Operating frequency 100-150 KHz
- Very small chip size convient for implantation
- Very low power consumption

### **Options available on request:**

Offset Printing / Silkscreen Printing / Encoding / Thermal Rewritable Film / Ultra Violet Printing / Micro Seal / Micro Text / Hologram / Laser Engraving / Signature Panel / Scratch Panel / SIM Punch / Magnetic Stripe