

## Product Code: HKRHT-L02

*RFID Tag - Washable High Temperature Series*

### **Features**

- 1) Washable identification tag (transponder) for garment application
- 2) Widely used in apparel items, garments, costumes, uniforms, patients' clothing in hospital
- 3) Robust design for harsh laundry environment
- 4) Good chemical resistance, withstand corrosive laundry agents
- 5) High operating temperature up to 90°C for 12mins



### **Electrical characteristics**

Chip type	ISO 15693
Integrated Circuit (IC)	Philips i-code SLI (I-code 2)
Operating frequency	13.56 MHz or 125kHz
Read range:	5 to 40 cm (Depend on readers and tag size)
Memory	1k Bits Organized in 32 blocks, 4 byte each
Read/ Write	R/W (Write more than 100000 times)

### **Mechanical dimension**

Type	Washable for Laundry Proposes
Dimension	Outer Diameter (mm): 9~18, 20, 22, 24, 26, 28, 30 ±0.5mm Thinkness: 2.5±0.3mm
Material:	PPS + Epoxy

**General characteristics of transponder**

Operating temperature	-25°C ~ 90°C
Storage temperature	-25 °C or +120 °C 1000hr; +160 °C 35hr +220 °C 30sec
Chemical Resistance	a) Function not affected under 20 °C for 24hrs in 2mm depth Water b) Function not affected under chlorinated or Alkaline solution 20 °C for 10hrs
Mechanical Resistance	a) Withstand atmospheric pressure: 20Mpa 5mins b) Withstand vibration of frequency 34Hz amplitude 6mm for 2hrs
Memory Storage	>10yrs, according to chip specifications