
SPECIFICATION SHEET

Material Name: ID Low-Frequency Card Reader Coil

Material Description: Inner Ø20mm / Outer Ø 24mm – 125kHz

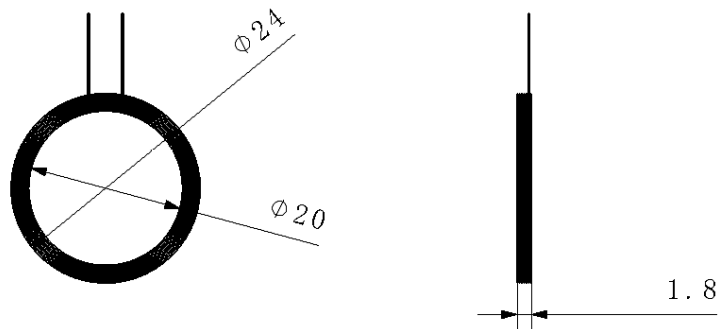
Customer Name: Checkpoint

Date: 2025-11-27

Supplier Confirmation

Prepared by	Reviewed by	Approved by
Customer Confirmation		
Confirmed by	Reviewed by	Approved by

I. Outline Dimensions



Appearance	Inner Diameter	Outer Diameter	Thickness	Lead Wire	Wire Diameter
Round	20mm	24mm	<2mm	30mm, tinned	0.16mm

II. Main Materials

Copper Wire: $\phi 0.16\text{mm}$ / (2UEW) QA-1/155 Pure Enameled Copper Wire.

III. Electrical Properties

Parameter	Symbol	Test Condition	Min	Typical	Max	Unit
Inductance	L	125KHz/1V	338	354	370	UH
Quality Factor	Q	125KHz/1V	36	40	44	N/A

Frequency Modulation 125KHz

Induction coil Antenna gain: 0dBi

Note:

1. Tested at an ambient temperature of 25°C.
2. Metal can weaken the magnetic field. Proximity to metal may affect inductance and Q factor, so keep the coil away from metal whenever possible.

IV. Packaging

Inner Box + Outer Carton Packaging.