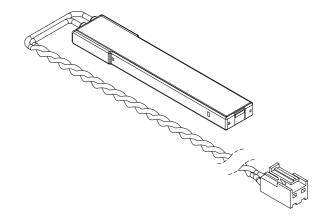
# Type: AS705A

### ◆ Product Description

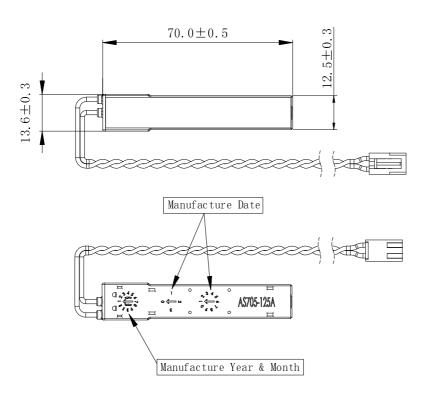
- **★**70.5×13.9mm Max(L×W),5.3mm Max. Height.
- **\*** Operating Temperature: -40  $^{\circ}$ C  $\sim$  +85  $^{\circ}$ C.

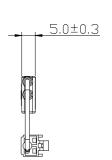
#### **♦** Feature

- \* LF Transmitter antenna.
- \* Small size installation space can be saved.
- ★ Match for TI & NXP IC, resonant frequency be pre-set to 125kHz,134kHz or customization.
- ★ Meeting protection against water degree IPX4K of ISO20653 by adding water-proof part.
- \* Ideally used in keyless smart entry system.
- \* Over molding, with/ without harness and connector.
- \* RoHS Compliance.



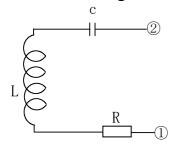
## ◆ Mechanical dimensions ( unit: mm )





# Type: AS705A

## ◆ Schematic diagram



L: Ferrite core coil inductance.

C: Tuning internal capacitor.

R: Copper resistance.

### **♦** Electrical Characteristics

Part number	Tuning capacitance	Load Q	Resonant frequency	Resonant current	Load resistance
AS705 -125A	332	60.1	125.0±1.5kHz	1.2App	4.7 Ω
AS705-125B	472	52.1	125.0±1.5kHz	2.5App	2.2Ω
AS705-125C	682	41.7	125.0±1.5kHz	2.8App	2.2Ω
AS705-125D	822	30.5	125.0±1.5kHz	2.4App	3.3Ω
AS705-125E	103	26.3	125.0±1.5kHz	2.6App	3.3Ω
AS705 -134A	332	65.2	134.2±1.5kHz	1.2App	4.7 Ω
AS705-134B	472	63.8	134.2±1.5kHz	2.5App	2.2Ω
AS705-134C	682	36.3	134.2±1.5kHz	2.9App	2.2Ω
AS705-134D	822	30.5	134.2±1.5kHz	2.5App	3.3Ω
AS705-134E	103	25.8	134.2±1.5kHz	2.6App	3.3Ω
AS705-20K	334	3.26	20±1.5kHz	2.2App	3.3Ω

- \* It is possible for customer specification at harness length and connector form.
- \* It is possible for other frequency.

## Packaging specification

- \* Using plastic tray packaging.
- \* Outside carton dimension: 500mm X 300mm X 175mm.
- \* Packaging Q'ty: 120pcs/carton.