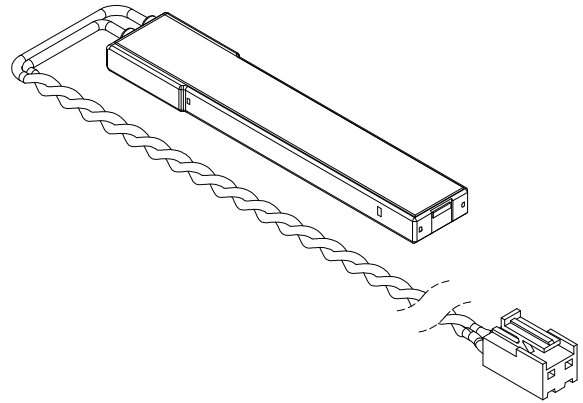
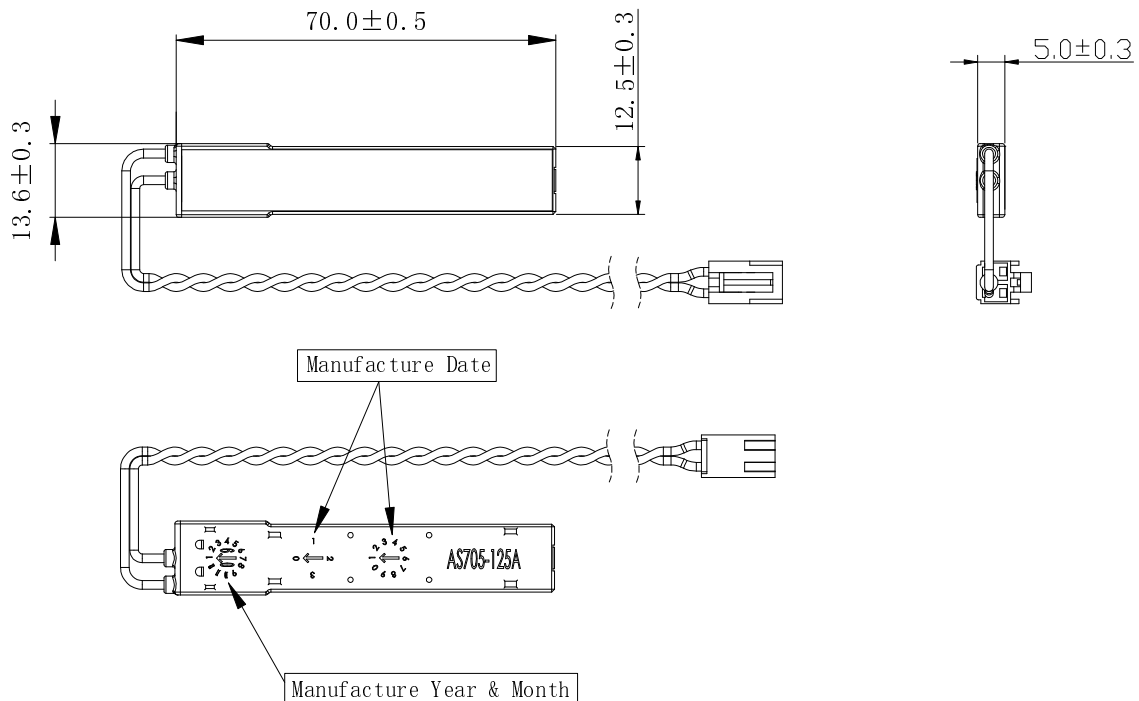


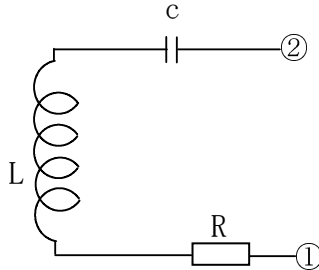
**Type: AS705A**
**◆ Product Description**

- ★ 70.5×13.9mm Max(L×W),5.3mm Max. Height.
- ★ Operating Temperature: -40℃ ~ +85℃.

**◆ 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	$125.0 \pm 1.5\text{kHz}$	1.2App	4.7 $\Omega$
AS705-125B	472	52.1	$125.0 \pm 1.5\text{kHz}$	2.5App	2.2 $\Omega$
AS705-125C	682	41.7	$125.0 \pm 1.5\text{kHz}$	2.8App	2.2 $\Omega$
AS705-125D	822	30.5	$125.0 \pm 1.5\text{kHz}$	2.4App	3.3 $\Omega$
AS705-125E	103	26.3	$125.0 \pm 1.5\text{kHz}$	2.6App	3.3 $\Omega$
AS705 -134A	332	65.2	$134.2 \pm 1.5\text{kHz}$	1.2App	4.7 $\Omega$
AS705-134B	472	63.8	$134.2 \pm 1.5\text{kHz}$	2.5App	2.2 $\Omega$
AS705-134C	682	36.3	$134.2 \pm 1.5\text{kHz}$	2.9App	2.2 $\Omega$
AS705-134D	822	30.5	$134.2 \pm 1.5\text{kHz}$	2.5App	3.3 $\Omega$
AS705-134E	103	25.8	$134.2 \pm 1.5\text{kHz}$	2.6App	3.3 $\Omega$
AS705-20K	334	3.26	$20 \pm 1.5\text{kHz}$	2.2App	3.3 $\Omega$

★ 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.

# Mouser Electronics

Authorized Distributor

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Sumida:

[AS705-125A-XH](#)