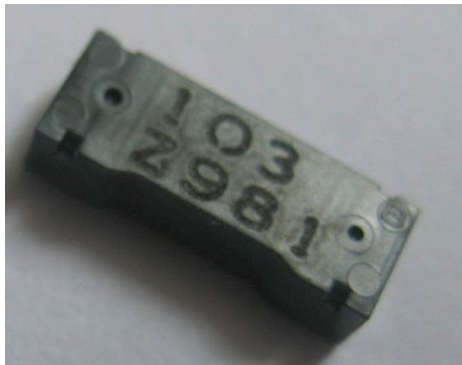


# LF Receiver Antenna CAS10D25



RoHS



## Description

- LF receiver antenna for X/Y axis.
- Covered by over-molding.
- Low profile.
- L × W × H: 10.2 × 3.7 × 2.6 mm Max.
- Product weight: 0.22g Ref..
- RoHS compliance.

## Environmental Data

- Operating temperature range: -40°C~+125°C
- Storage temperature range: -40°C~+125°C

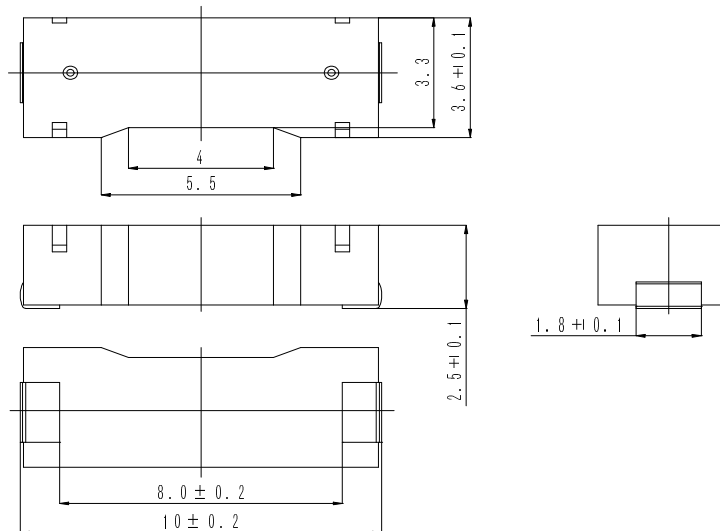
## Packaging

- Carrier Tape and Reel.
- Tape specification according to EIA481.
- 2000pcs/reel.

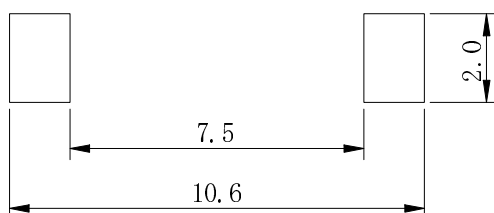
## Applications

- PEPS, Smart key system.
- Security system.
- TPMS.

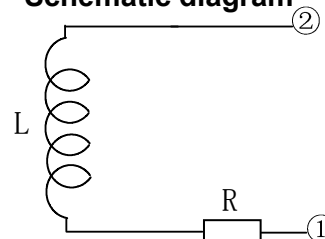
## Dimension - [mm]



## Suggest PCB layout - [mm]



## Schematic diagram



L: Ferrite core coil inductance.  
R: Copper resistance.

# LF Receiver Antenna CAS10D25



## Electrical Characteristics

No.	Part No.	Stamp	Inductance(1-2)		Unloaded Q Min.	SRF Min.(kHz)	DCR Ref.(Ω)
			(mH)	Within(%)			
01	CAS1ØD25-133	133	13.0	±3	38	500	123
02	CAS1ØD25-1Ø3	103	10.6	±3	38	600	108
03	CAS1ØD25-882	882	8.80	±3	35	700	97
04	CAS1ØD25-722	722	7.20	±3	35	700	85
05	CAS1ØD25-592	592	5.90	±3	35	800	61
06	CAS1ØD25-482	482	4.80	±3	35	900	54
07	CAS1ØD25-412	412	4.10	±3	35	1000	49
08	CAS1ØD25-342	342	3.40	±3	32	1100	45
09	CAS1ØD25-282	282	2.87	±3	35	1100	32
10	CAS1ØD25-232	232	2.38	±3	35	1200	28
* Measuring condition: L, Q at 125kHz, 1V							

\* It is possible for different inductance value.

For more information, please browse our website <http://www.sumida.com>

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