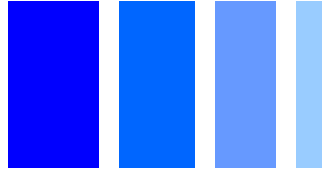


LF Receiver Antenna CAS11D23



Description

- LF receiver antenna for X/Y axis.
- Covered by over-molding.
- Low profile.
- L × W × H : 11.6 × 3.5 × 2.4 mm Max.
- RoHS compliance.

Environmental Data

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

Packaging

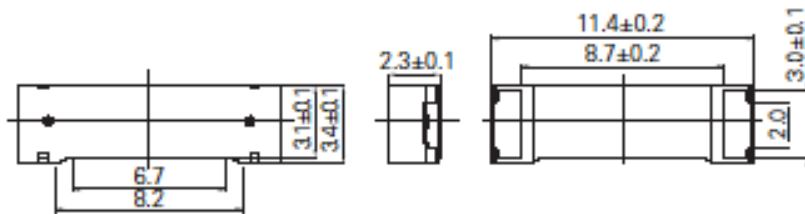
- Carrier tape and reel.
- 2,500pcs/ reel

Applications

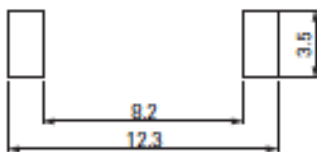
- PEPS, Smart key system.
- Security system
- TPMS



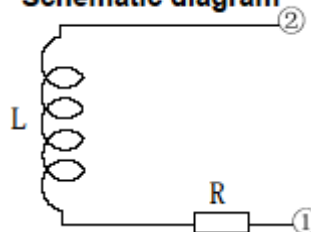
Dimension - [mm]



Suggest PCB layout - [mm]



Schematic diagram



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

LF Receiver Antenna CAS11D23



Electrical Characteristics

| No. | Part No. | Stamp | Inductance(1-2) | | Unloaded Q (Min.) | SRF Min. (kHz) | D.C.R Ref. (Ω) |
|-----|--------------|-------|-----------------|-----------|----------------------|-------------------|----------------------------|
| | | | mH | Within | | | |
| 01 | CAS11D23-722 | 722 | 7.20 | $\pm 3\%$ | 40 | 700 | 50 |
| 02 | CAS11D23-472 | 472 | 4.70 | $\pm 3\%$ | 40 | 1,000 | 32 |
| 03 | CAS11D23-342 | 342 | 3.40 | $\pm 3\%$ | 35 | 1,200 | 27 |
| 04 | CAS11D23-232 | 232 | 2.36 | $\pm 3\%$ | 40 | 1,500 | 16 |

* Measuring condition : L, Q at 125kHz, SER 1V

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