

# LF Receiver Antenna CAD8D25



RoHS



## Description

- Compact LF receiver antenna.
- Low profile.
- L × W × H: 8.2 × 7.8 × 2.6 mm Max.
- Product weight: 0.46g Ref..
- RoHS compliance.

## Environmental Data

- Operating temperature range: -40°C~+85°C
- Storage temperature range: -40°C~+125°C

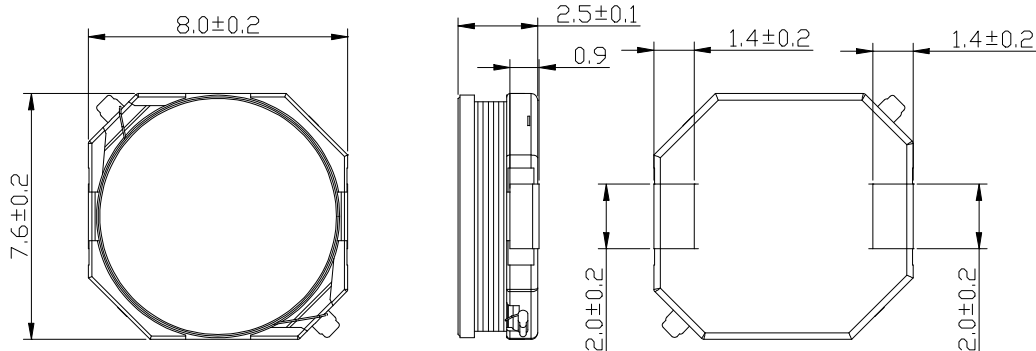
## Packaging

- Carrier Tape and Reel.
- Tape specification according to EIA481.
- 1000pcs/reel.

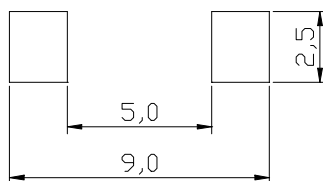
## Applications

- PEPS, Smart key system.
- Security system

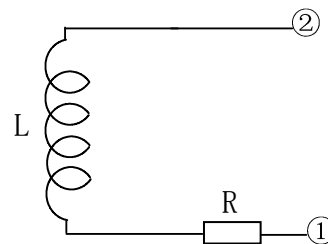
## Dimension - [mm]



## Suggest PCB layout - [mm]

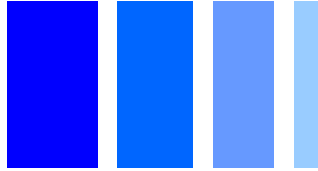


## Schematic diagram



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

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## Electrical Characteristics

| No. | Part No.    | Stamp | Inductance(1-2) |           | Unloaded Q<br>Min. | SRF<br>Min.(kHz) |
|-----|-------------|-------|-----------------|-----------|--------------------|------------------|
|     |             |       | (mH)            | Within    |                    |                  |
| 01  | CAD8D25-232 | 232   | 2.36            | $\pm 4\%$ | 45                 | 500              |
| 02  | CAD8D25-472 | 472   | 4.7             | $\pm 4\%$ | 45                 | 500              |
| 03  | CAD8D25-682 | 682   | 6.8             | $\pm 4\%$ | 45                 | 500              |
| 04  | CAD8D25-722 | 722   | 7.2             | $\pm 4\%$ | 45                 | 500              |
| 05  | CAD8D25-103 | 103   | 10.0            | $\pm 4\%$ | 45                 | 500              |
| 06  | CAD8D25-163 | 163   | 16.3            | $\pm 4\%$ | 45                 | 500              |

\* It is possible for different inductance value.

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

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