

## CVK2522H

New Products

RoHS

AEC-Q200



### ■ Features

- Realization of high current specifications by metallic magnetic material.
- Low DCR, high saturation current
- Low inductance variance in temperature environments.
- Operating temperature : -40°C~+150°C(The self-heating is included)

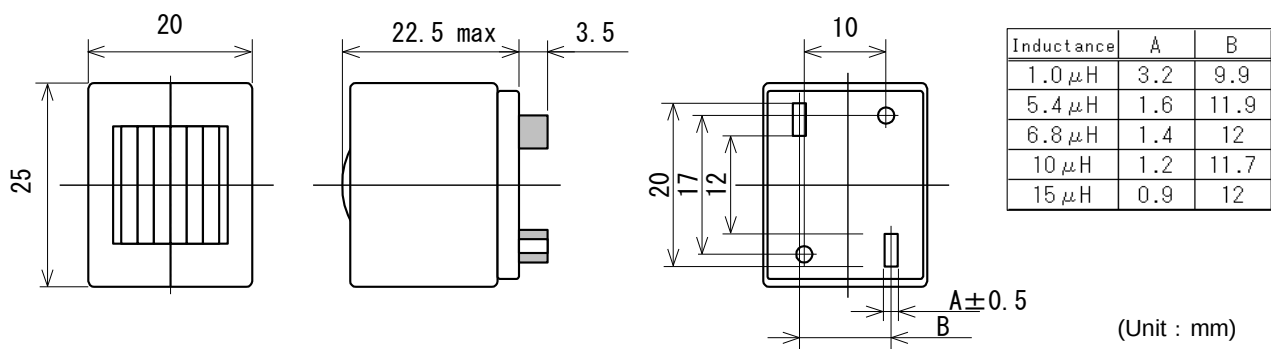
Operating Temperature Range : -40 °C~ +150 °C(include self-heating)

Weight : 56.0 g

### ■ Application

- Note PCs
- HDDs
- Servers
- VRMs
- Compact power supply modules
- Others

### ■ Dimensions



SAGAMI ELEC CO., LTD.  
<https://www.sagami-elec.co.jp>

10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan  
 Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp  
 Engineering Dept. TEL : +81 45 521 4543

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## ■ Specifications

| SAGAMI Part No. | Inductance<br>( $\mu$ H) | DCR Resistance<br>(m $\Omega$ ) |       | DC saturation<br>allowable current<br>(A) | Temperature rise<br>allowable current<br>(A) |
|-----------------|--------------------------|---------------------------------|-------|-------------------------------------------|----------------------------------------------|
|                 |                          | Typical                         | max.  |                                           |                                              |
| CVK2522H-1R0M   | 1 $\pm$ 20%              | 0.220                           | 0.300 | 220.0                                     | 90.0                                         |
| CVK2522H-5R4M   | 5.4 $\pm$ 20%            | 1.00                            | 1.30  | 100.0                                     | 46.0                                         |
| CVK2522H-6R8M   | 6.8 $\pm$ 20%            | 1.30                            | 1.70  | 87.0                                      | 40.0                                         |
| CVK2522H-100M   | 10 $\pm$ 20%             | 1.75                            | 2.30  | 80.0                                      | 35.0                                         |
| CVK2522H-150M   | 15 $\pm$ 20%             | 3.00                            | 3.90  | 59.0                                      | 26.0                                         |
| -               | -                        | -                               | -     | -                                         | -                                            |
| -               | -                        | -                               | -     | -                                         | -                                            |
| -               | -                        | -                               | -     | -                                         | -                                            |
| -               | -                        | -                               | -     | -                                         | -                                            |
| -               | -                        | -                               | -     | -                                         | -                                            |

- Inductance Measuring Condition : 100kHz,1V
- Rated current : DC saturation allowable current or Temperature rise allowable current, whichever is smaller.
  1. DC saturation allowable current : value of inductance decrease 30%.
  2. Temperature rise allowable current : A rise in temperature of core surface is 40°C.



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