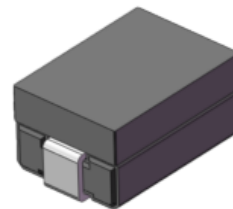


CDG9672CB

New Products

RoHS

AEC-Q200



■ Features

- Tight Inductance tolerance $\pm 15\%$
- SMD Inductors for High Current Applications
- Low DCR, high saturation current

■ Magnetic structure



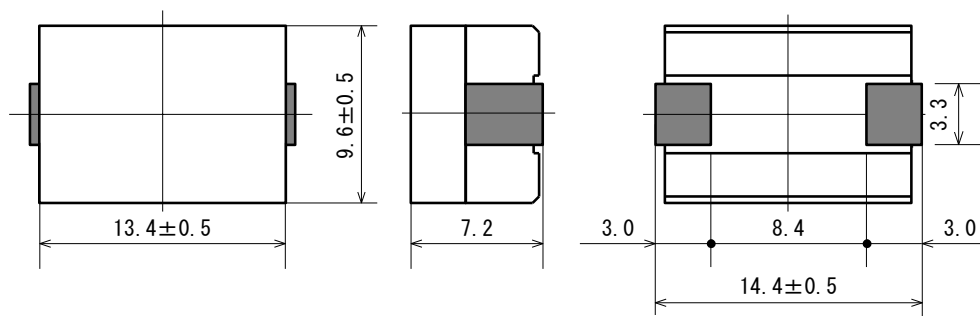
Operating Temperature Range : $-40\text{ }^{\circ}\text{C} \sim +150\text{ }^{\circ}\text{C}$ (include self-heating)

Weight : 4.5 g

■ Application

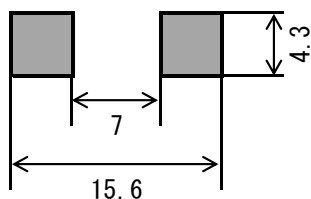
- Computer & Peripheral Device
- Motherboard, Graphic board
- Automotive
- ECU

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



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

The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance (nH)	DCR Resistance (mΩ)	Rated current	
			DC saturation allowable current (A)	Temperature rise allowable current (A)
CDG9672CB-R20L	200 ±15%	0.270	92.7	48.9
CDG9672CB-R39L	390 ±15%	0.270	45.7	48.9
CDG9672CB-R59L	590 ±15%	0.270	29.1	48.9
-	-	-	-	-
-	-	-	-	-

- 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 20%
 2. Temperature rise allowable current : A rise in temperature of core surface is 40°C



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

⚠ The contents of this catalogue are subject to change without notice.

DC bias characteristics vs Temperature Rise Graph

 L(25°C)

 ΔT

