

## CDG6250CB

New Products

RoHS

AEC-Q200



### ■ Features

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

### ■ Magnetic structure



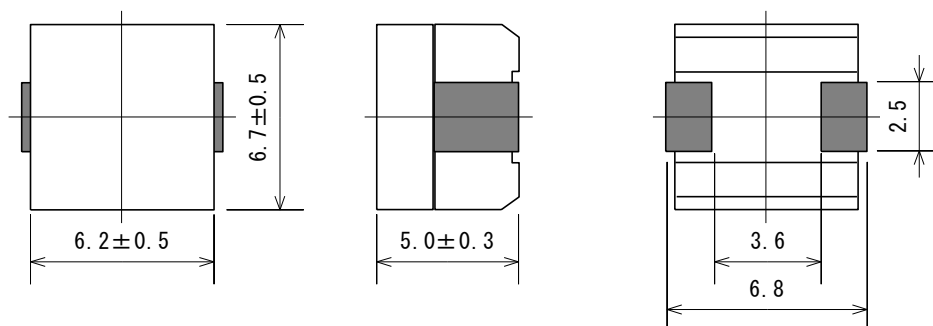
Operating Temperature Range :  $-40\text{ }^{\circ}\text{C} \sim +150\text{ }^{\circ}\text{C}$  (include self-heating)

Weight : 1.0 g

### ■ Application

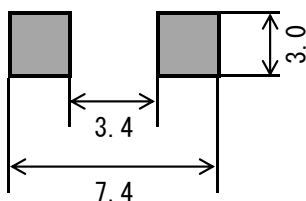
- Computer & Peripheral Device
- Motherboard, Graphic board
- Automotive
- ECU

### ■ Dimensions



(Unit : mm)

### ■ Recommended Land Pattern



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

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## ■ Specifications

SAGAMI Part No.	Inductance (nH)	DCR Resistance (mΩ) max.	Rated current	
			DC saturation allowable current (A)	Teperature rise allowable current (A)
CDG6250CB-90NL	90 ±15%	0.380	63.0	35.0
CDG6250CB-R11L	110 ±15%	0.380	50.0	35.0
CDG6250CB-R15L	150 ±15%	0.380	35.0	35.0
-	-	-	-	-
-	-	-	-	-

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



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# DC bias characteristics vs Temperature Rise Graph



L(25°C)



$\Delta T$

