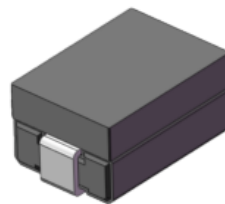


CDG3833CB

New Products

RoHS

AEC-Q200



■ Features

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

■ Magnetic structure



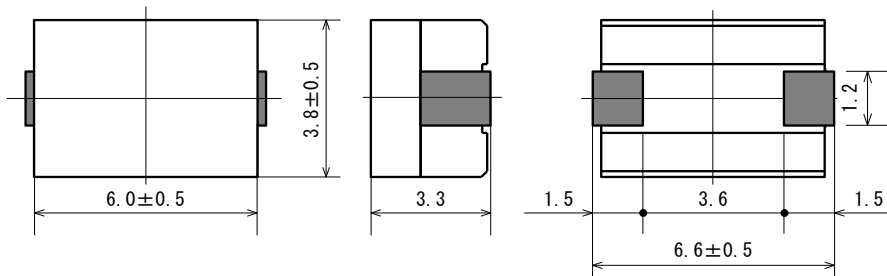
Operating Temperature Range : $-40\text{ }^{\circ}\text{C} \sim +150\text{ }^{\circ}\text{C}$ (include self-heating)

Weight : 0.3 g

■ Application

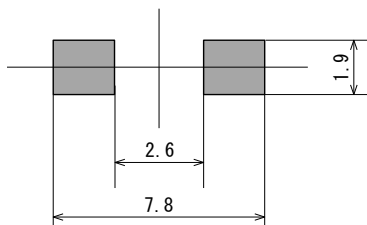
- Computer & Peripheral Device
- Motherboard, Graphic board
- Automotive
- ECU

■ 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)	Teperature rise allowable current (A)
CDG3833CB-45NL	45 ±15%	0.620	63.4	32.1
CDG3833CB-60NL	60 ±15%	0.620	52.8	32.1
CDG3833CB-65NL	65 ±15%	0.620	46.4	32.1
CDG3833CB-80NL	80 ±15%	0.620	41.3	32.1
-	-	-	-	-

- 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

