

CDG2521C

New Products

RoHS

AEC-Q200



■ Features

- Ultra-compact, SMD Inductors for High Current Applications
- Low DCR, high saturation current

■ Magnetic structure



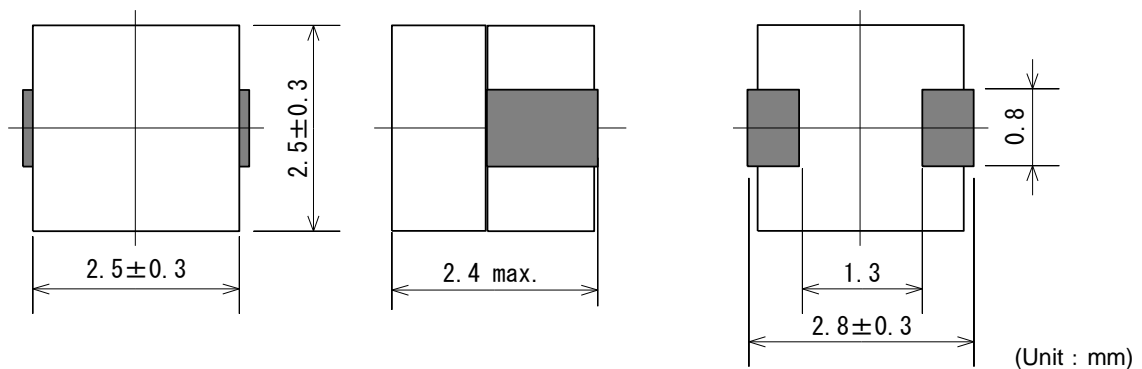
Operating Temperature Range : -40 °C~ +150 °C(include self-heating)

Weight : 0.06 g

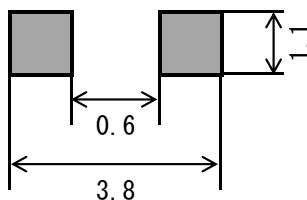
■ Application

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

■ Dimensions



■ Recommended Land Pattern



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

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Engineering Dept. TEL : +81 45 521 4543

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■ Specifications

SAGAMI Part No.	Inductance (nH)	DCR Resistance (mΩ)	Rated current	
			DC saturation allowable current (A)	Teperature rise allowable current (A)
CDG2521C-19NM	19 ±20%	0.840	38.6	20.8
CDG2521C-24NM	24 ±20%	0.840	35.0	20.8
CDG2521C-30NM	30 ±20%	0.840	27.8	20.8

- 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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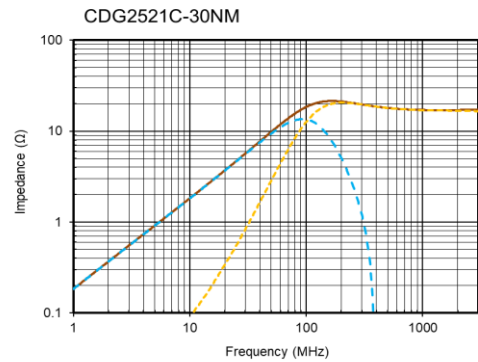
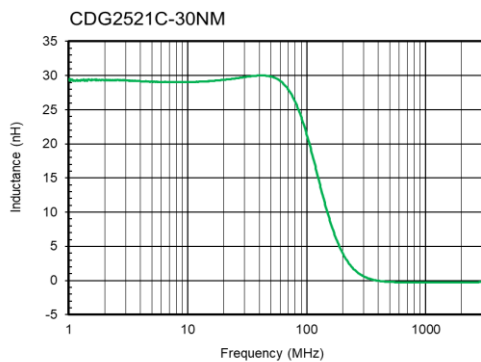
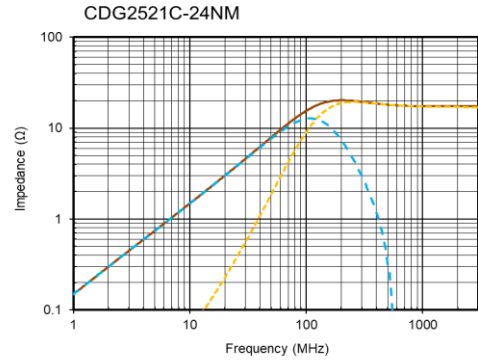
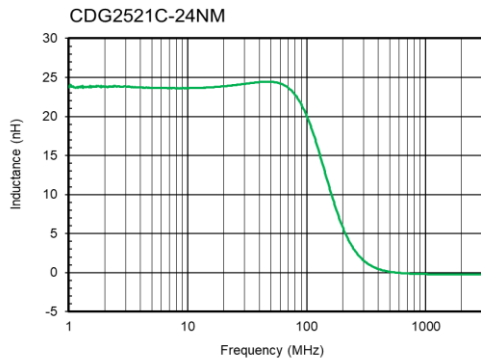
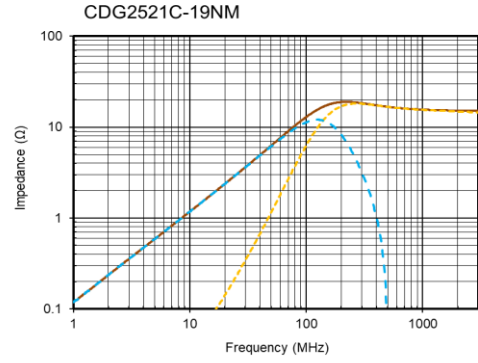
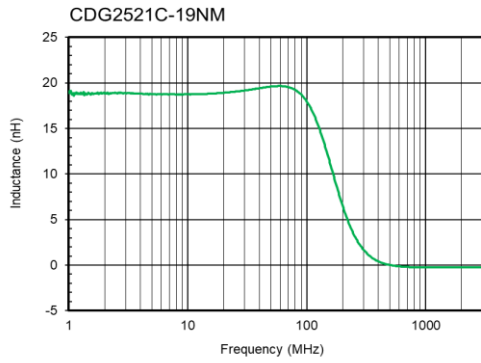
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Frequency vs Inductance/Impedance

— L

— Z
 - - - X
 - · - R



DC bias characteristics vs Temperature Rise Graph

■ L(25°C)

■ ΔT

