

CDG6250C

AEC-Q200



■ Features

- SMD Inductors for High Current Applications
- Low DCR, high saturation current
- Realization of Low EMI by reducing leakage flux
- AEC-Q200 compliant
- Operating temperature : -40°C~+150°C(The self-heating is included)

Magnetic structure :

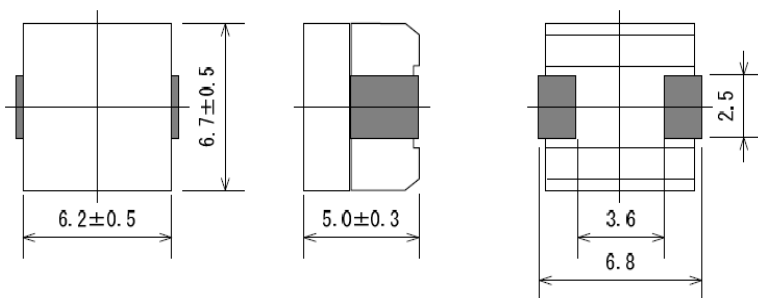


Weight : 0.97 g

■ Applications

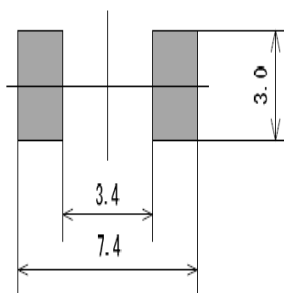
- Automotive/ECU
- Computer & Peripheral Device/Computer
- Others/Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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 max. (mΩ)	DC Saturation Allowable (A)	Temperature Rise Allowable Current (A)
CDG6250C-90NM	90±20%	0.400	63.0	35.0
CDG6250C-R11M	110±20%	0.400	50.0	35.0
CDG6250C-R15M	150±20%	0.400	35.0	35.0

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease 20% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is 40℃



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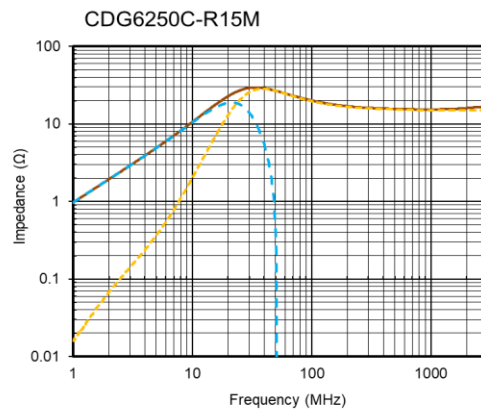
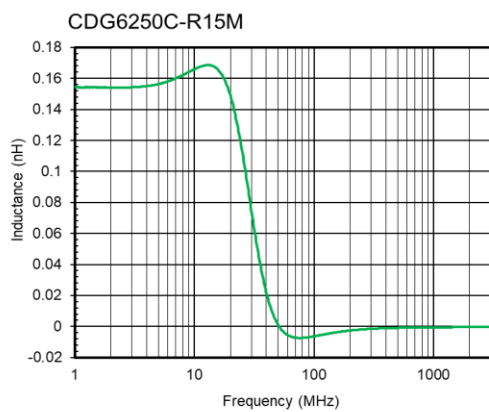
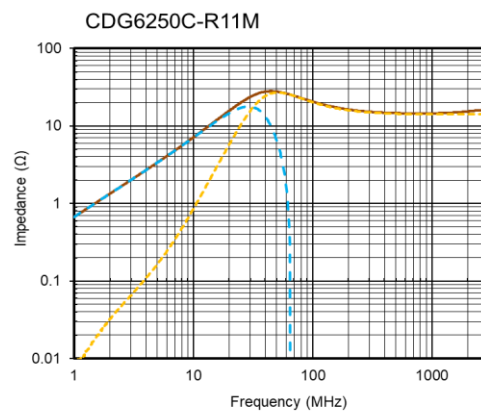
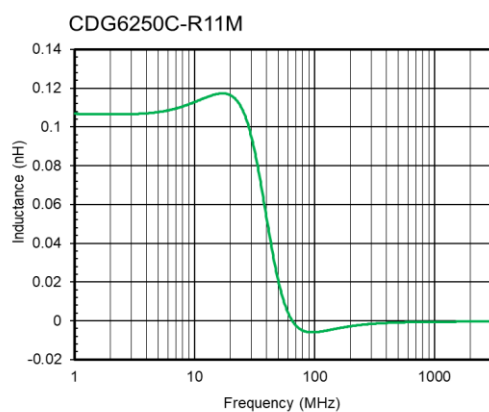
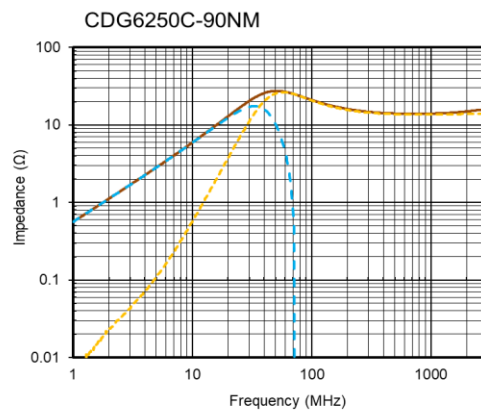
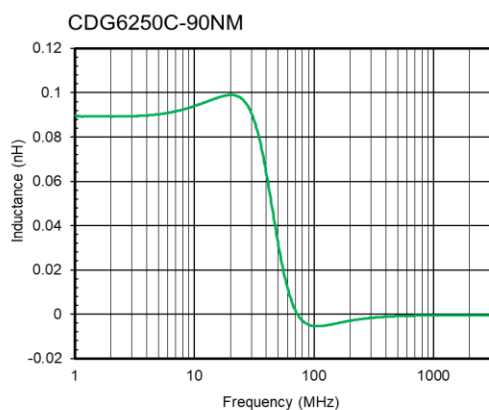
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Frequency vs Inductance/Impedance

— L

— Z
- - - X
- - - R



DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$ ■ ΔT

