

## DRP9210C

New Products

RoHS

AEC-Q200

OFC

4in1



### ■ Features

- Best suited as LPF Inductor for Compact Digital Amplifier(Class-D Amp)
- 4-in-1 structure offers space saving and easy terminal layout
- Corresponding to multi channels
- Low distortion and high sound quality became possible by Low Loss Core and oxygen free copper wire(OFC)

### ■ Magnetic structure



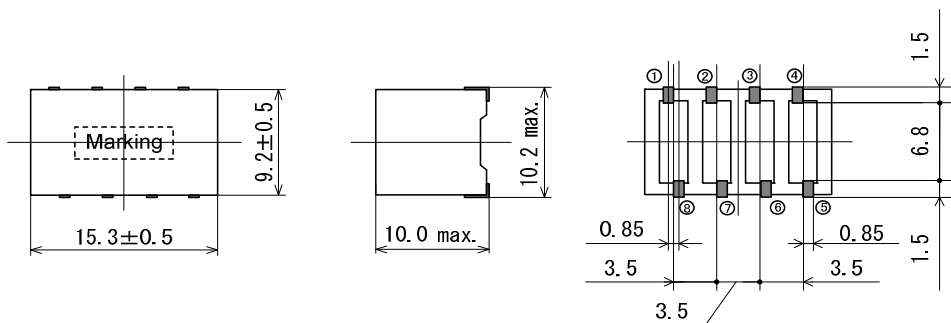
Operating Temperature Range : -40 °C ~ +125 °C(include self-heating)

Weight : 4.9 g

### ■ Application

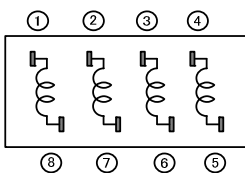
- AudioVisual  
TV and Monitor, Mini component, AV amplifier, Amplifier for professional
- Automotive  
Car Audio, Car Navigation
- Home Electronics  
Games
- Others  
Power Supply

### ■ Dimensions

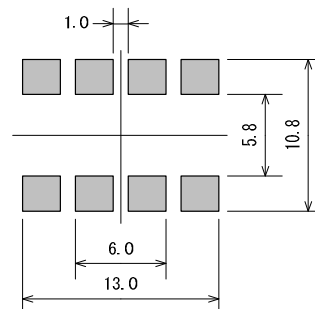


(Unit : mm)

### ■ Connection (Bottom view)



### ■ Recommended Land Pattern



(Unit : mm)



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

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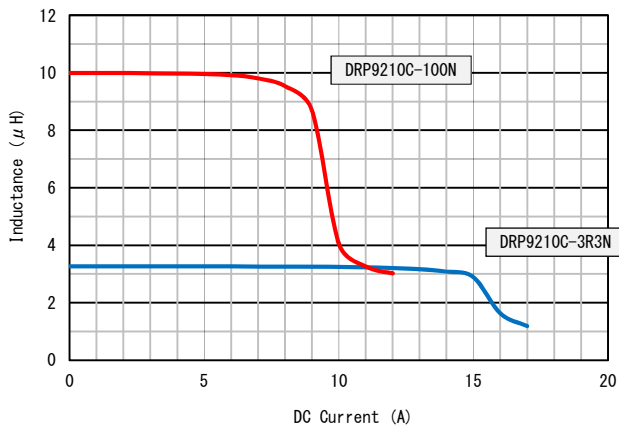
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## ■ Specifications

SAGAMI Part No.	Inductance ( $\mu\text{H}$ )	DCR Resistance ( $\text{m}\Omega$ )		DC saturation allowable current (A)		Teperature rise allowable current (A)	
		Typical	max.	Spec.	Typical	Spec.	Typical
DRP9210C-3R3N	3.3 $\pm$ 30%	-	23.8	12.9	-	4.2	-
DRP9210C-100N	10 $\pm$ 30%	-	92.7	6.9	-	2.2	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

- Inductance Measuring Condition : 100kHz, 1V
- DC saturation allowable current(Spec.) : value of inductance decrease within 30%.
- DC saturation allowable current(Typical) : value of inductance decrease 30%.
- Temperature rise allowable current(Spec.) : A rise in temperature of core surface is within 40°C.
- Temperature rise allowable current(Typical) : A rise in temperature of core surface is 40°C.

## ■ Characteristics of DC Saturation Current



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