

# 3in1 Type Differential Mode Noise Filter

## PRCG4036C

New Products

RoHS

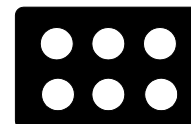
AEC-Q200



### ■ Features

- Three independent ferrite beads in one package structure
- High impedance at 100M to 3GHZ / High Current  
Impedance:67Ω typ.@100MHz/Irms:9.1A(40°Crise)
- Small mounting area  
W6.0mmXD4.3mmXH3.9mm max.

### ■ Magnetic structure



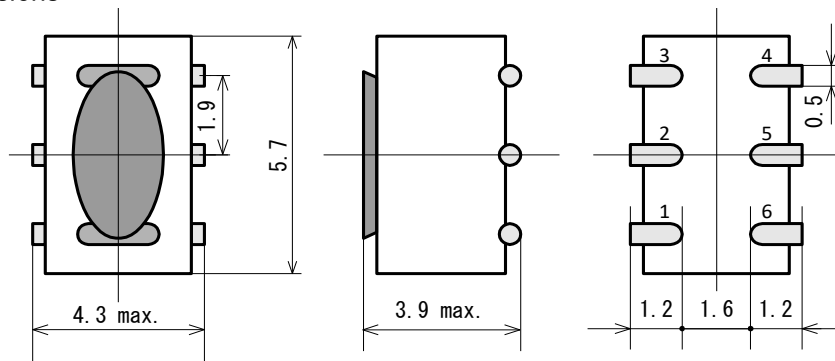
Operating Temperature Range : -40 °C~ +150 °C(include self-heating)

Weight : 0.3 g

### ■ Application

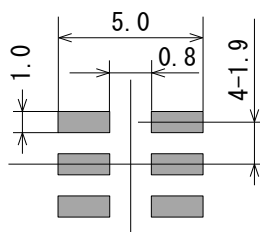
- Motor for Automotive
- ECU
- Power Supply

### ■ Dimensions

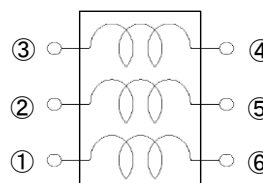


(Unit : mm)

### ■ Recommended Land Pattern



### ■ CONNECTION(BOTTOM VIEW)



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.

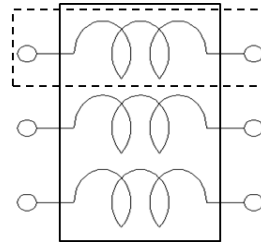
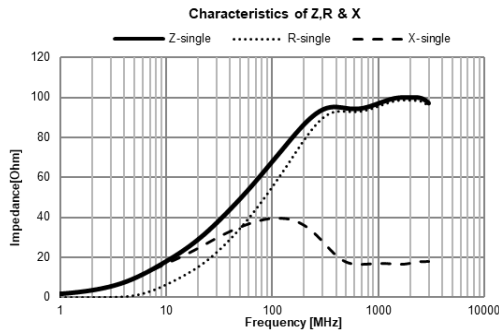
## ■ Specifications

SAGAMI Part No.	Impedance	DCR Resistance		Temperature rise allowable current
	( $\Omega$ )	(m $\Omega$ )		(A)
	min.	Typical	max.	Typical
PRCG4036C	33	0.850	0.930	9.10
-	-	-	-	-

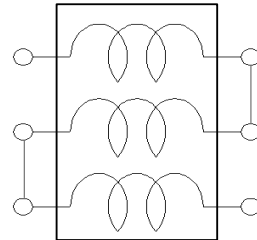
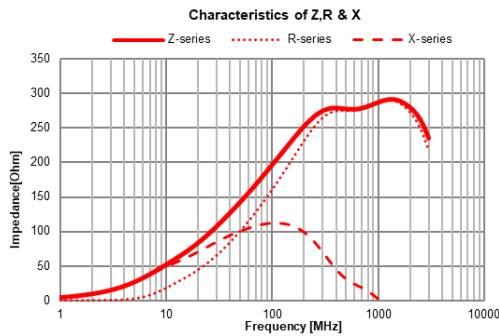
- Impedance Measuring Condition : 100MHz,0.1V
- Temperature rise allowable current : rise in temperature of core surface is 40°C.

## ■ Characteristics

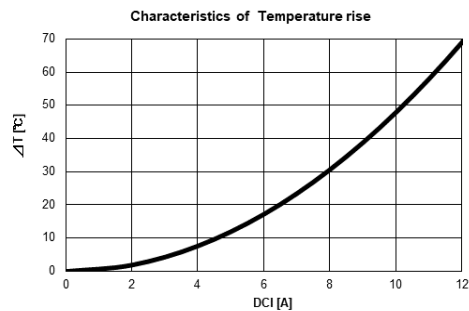
### • PRCG4036C-Single



### • PRCG4036C-Series



### • PRCG4036C-Temperature rise



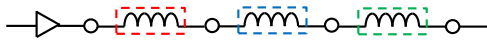
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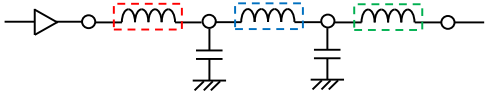
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■ Examples showing the use

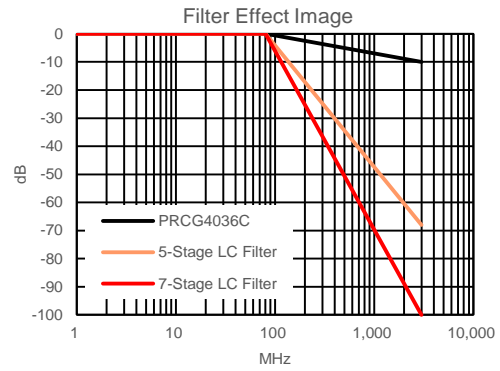
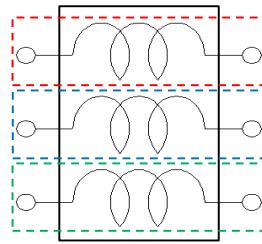
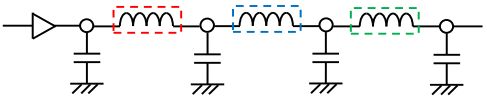
PRCG4036C Single



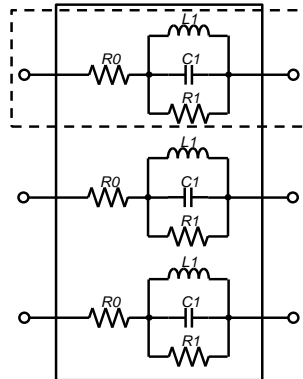
PRCG4036C Single, 5-stage LC filter



PRCG4036C Single, 7-stage LC filter



■ Equivalent Circuit



Part Number	R0	L1	C1	R1
	(mΩ)	(nH)	(pF)	(Ω)
PRCG4036C-Single	25.8	163.0	98.1	113.0

- Notes: 1. This Parameters is reference characteristics of products, does not guarantee the characteristics of products  
 2. It is your responsibility to test products before adopting them without placing only reliance on the Data.



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