PRCG4036C

New Products

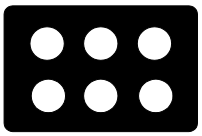
RoHS

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℃rise)
- Small mounting area
  W6.0mmXD4.3mmXH3.9mm max.

■ Magnetic structure



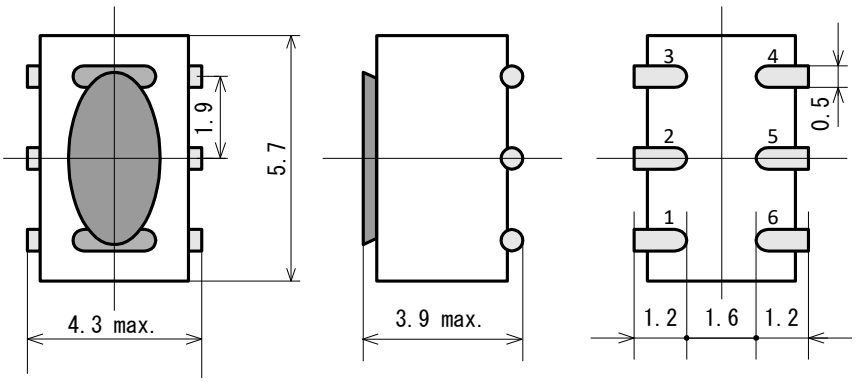
Operating Temperature Range : -40 ℃～ +150 ℃(include self-heating)

Weight : 0.3 g

■ Application

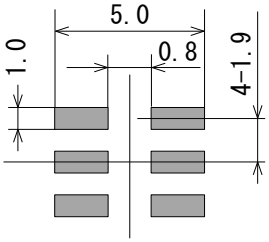
- Motor for Automotive
- ECU
- Power Supply

■ Dimensions

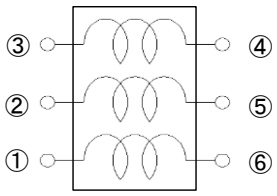


(Unit : mm)

■ Recommended Land Pattern



■ CONNECTION(BOTTOM VIEW)



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(2023.06)

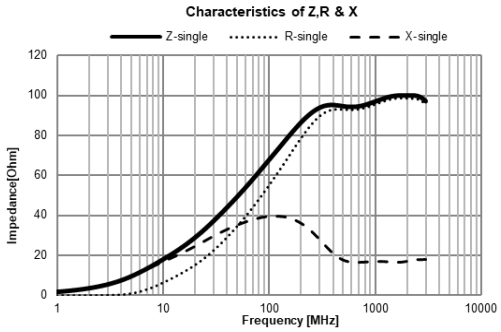
■ Specifications

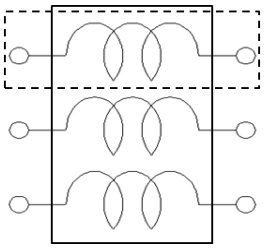
SAGAMI Part No.	Impedance (Ω)	DCR Resistance (mΩ)		Teperature rise allowable current (A)
	min.	Typical	max.	Typical
PRCG4036C	33	0.850	0.930	9.10
-	-	-	-	-

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

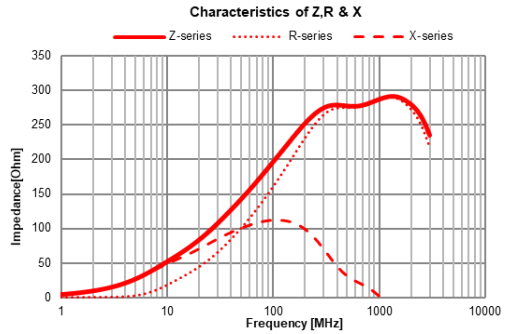
■ Characteristics

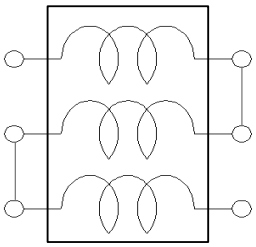
・PRCG4036C-Single



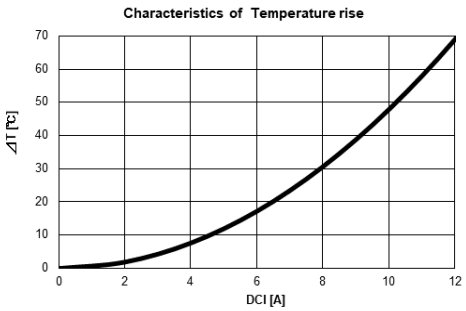


・PRCG4036C-Series



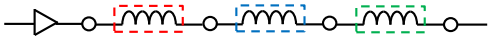


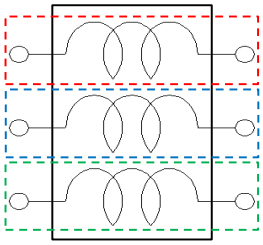
・PRCG4036C-Temperature rise



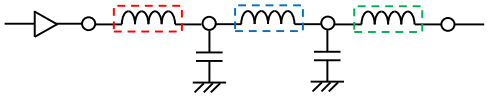
■ Examples showing the use

PRCG4036C Single

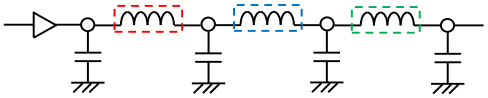


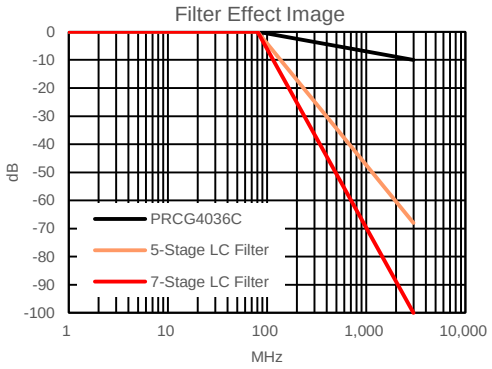


PRCG4036C Single, 5-stage LC filter

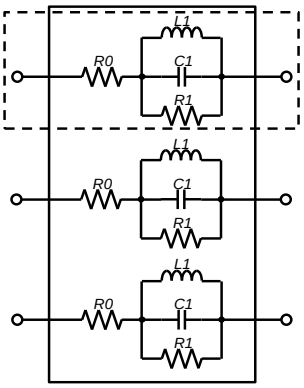


PRCG4036C Single, 7-stage LC filter





■Equivalent Circuit



Part Number	R0 (mΩ)	L1 (nH)	C1 (pF)	R1 (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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