CVE1918M

AEC-Q200

■ Features

- Power inductor with greatly improved current characteristics
- Closed magnetic circuit structure with low leakage flux
- AEC-Q200 compliant
- Operating temperature：-40℃～+150℃(The self-heating is included)

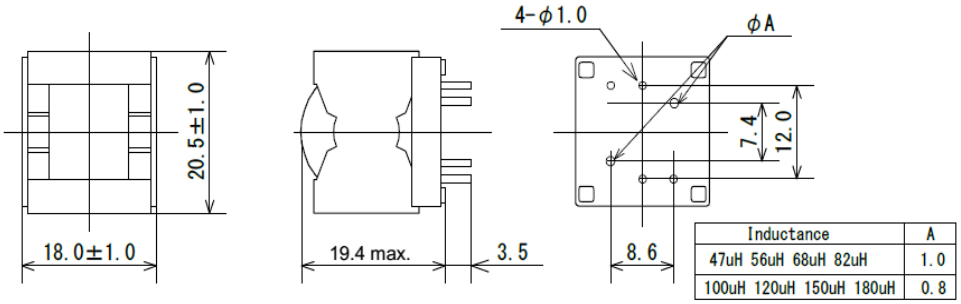
Magnetic structure：

Weight： 20 g

■ Applications

- Audio Visual/Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio,ECU
- Home Electronics/Home Electronics
- Others/FA,Medical,Energy,Power Supply

■ Dimensions



Inductance	A
47uH 56uH 68uH 82uH	1.0
100uH 120uH 150uH 180uH	0.8

(Unit：mm)

SAGAMI ELEC CO., LTD.
https://www.sagami-elec.co.jp
10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
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Engineering Dept. TEL : +81 45 521 4543

⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR max. (mΩ)	DC Saturation Allowable (A)	Temperature Rise Allowable Current (A)
CVE1918M-470M	47±20%	26.2	12.0	7.60
CVE1918M-560M	56±20%	26.2	10.2	7.60
CVE1918M-680M	68±20%	26.2	8.40	7.60
CVE1918M-820M	82±20%	26.2	6.90	7.60
CVE1918M-101M	100±20%	49.2	6.70	5.60
CVE1918M-121M	120±20%	49.2	5.50	5.60
CVE1918M-151M	150±20%	49.2	4.90	5.60
CVE1918M-181M	180±20%	49.2	4.00	5.60

Inductance Measuring Condition:100kHz,1V
DC saturation allowable current:The current value which inductance decrease 10% from the initial value
Temperature rise allowable current:The rise in temperature of core surface is 40℃

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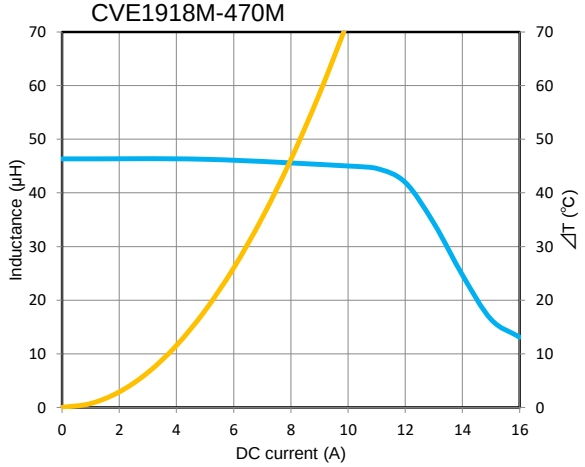
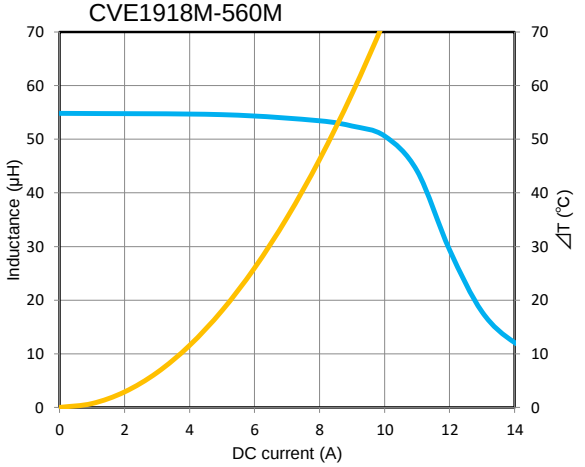
DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

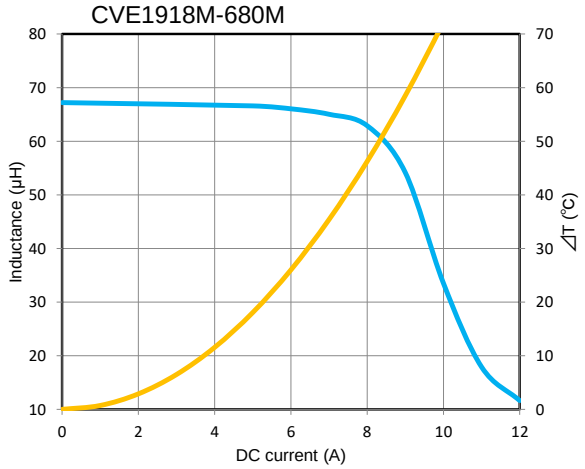
CVE1918M-470M



CVE1918M-560M



CVE1918M-680M



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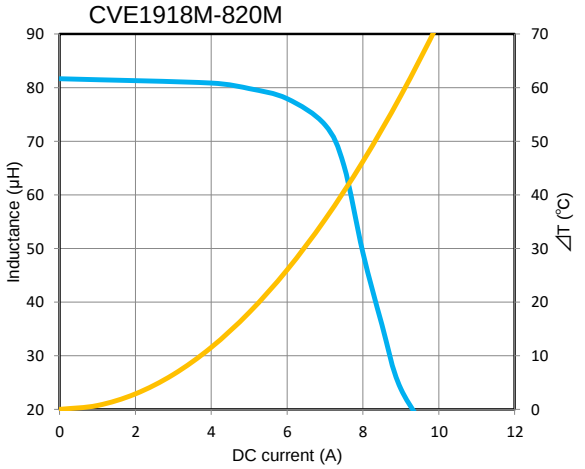
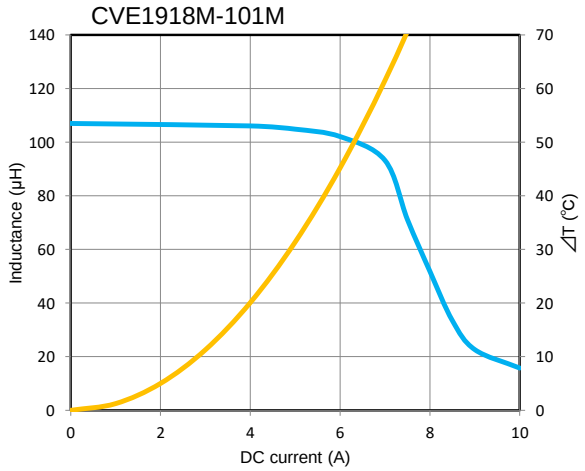


CVE1918M-101M



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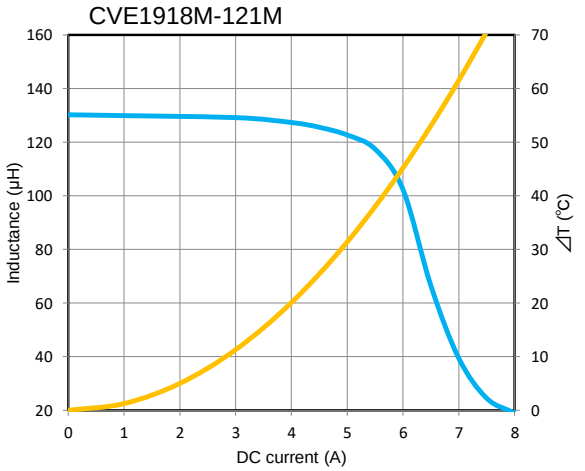
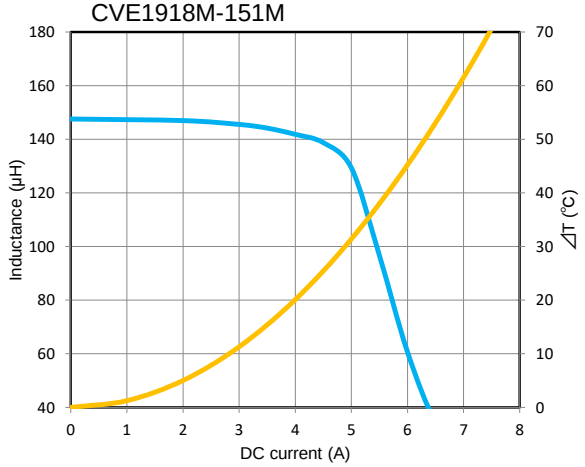
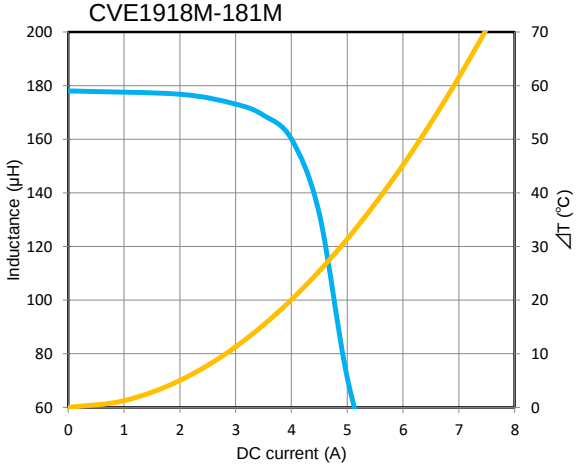


DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

CVE1918M-151M



CVE1918M-181M