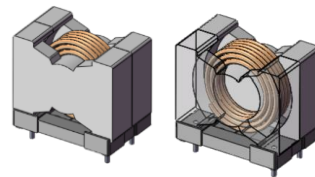


CVE1918M

New Products

RoHS

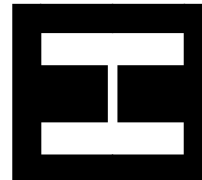
AEC-Q200



■ Features

- Power inductor with greatly improved current characteristics
- Closed magnetic circuit structure with low leakage flux

■ Magnetic structure



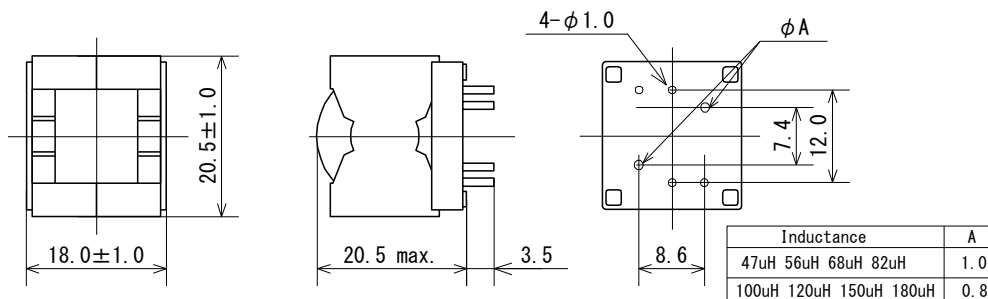
Operating Temperature Range : -40 °C~ +150 °C(include self-heating)

Weight : 16.0 g

■ Application

- Electronic devices for Vehicle
- For DC/DC converter
- For Noise Filter

■ Dimensions



(Unit : mm)



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

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 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.	Inductance (μ H)	DCR Resistance (m Ω)	Rated current	
			DC saturation allowable current (A)	Teperature rise allowable current (A)
CVE1918M-470M	47 \pm 20%	26.2	12.0	7.60
CVE1918M-560M	56 \pm 20%	26.2	10.2	7.60
CVE1918M-680M	68 \pm 20%	26.2	8.40	7.60
CVE1918M-820M	82 \pm 20%	26.2	6.90	7.60
CVE1918M-101M	100 \pm 20%	49.2	6.70	5.60
CVE1918M-121M	120 \pm 20%	49.2	5.50	5.60
CVE1918M-151M	150 \pm 20%	49.2	4.90	5.60
CVE1918M-181M	180 \pm 20%	49.2	4.00	5.60
-	-	-	-	-
-	-	-	-	-

- Inductance Measuring Condition : 100kHz,1V
- Rated current : DC saturation allowable current or Temperature rise allowable current, whichever is smaller.
 1. DC saturation allowable current : value of inductance decrease 10%
 2. Temperature rise allowable current : A rise in temperature of core surface is 40°C



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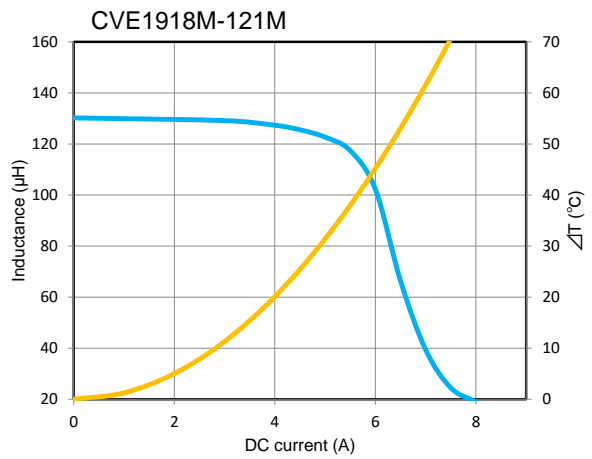
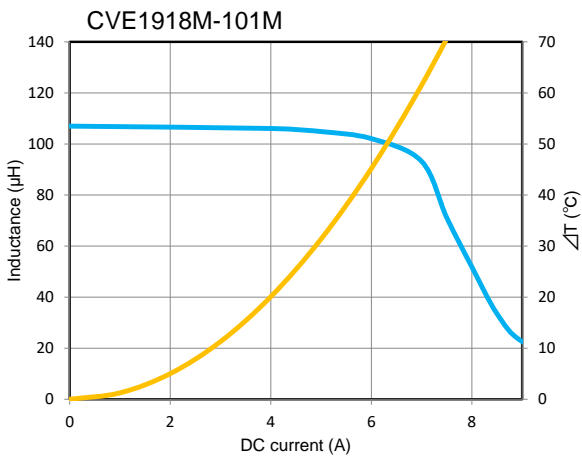
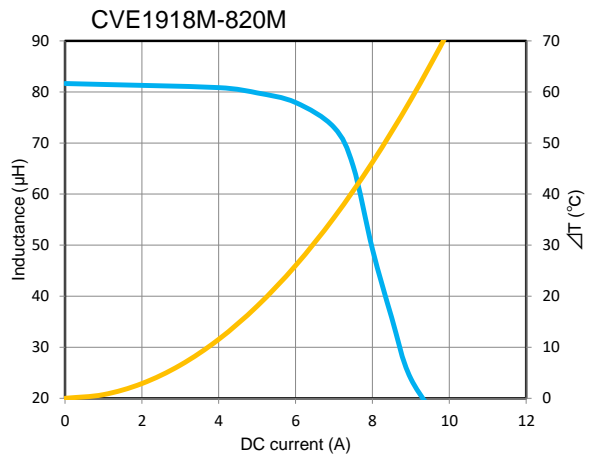
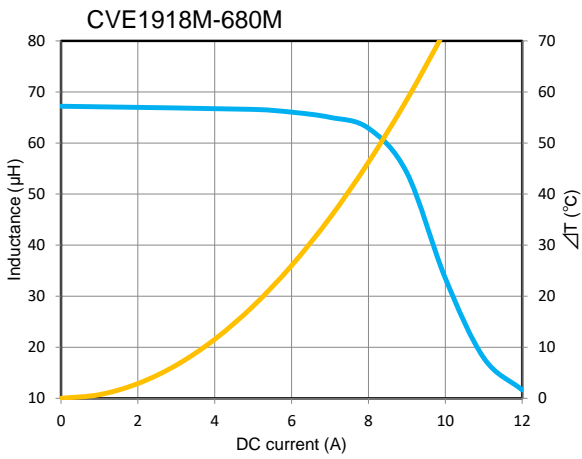
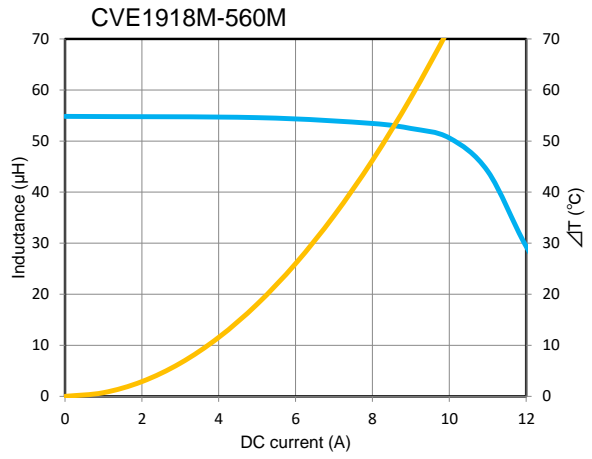
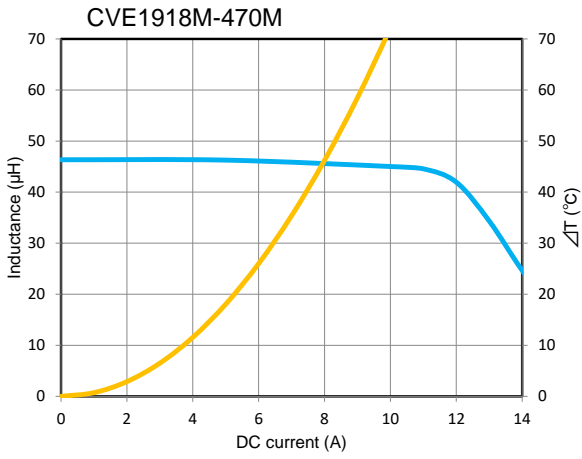
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT

