HER7052CA

AEC-Q200

■ Features

- High current
- SMD magnetic shielded type of power inductor.
- Suitable for power supply choke coil.
- AEC-Q200 compliant
- Operating temperature：-40℃～+125℃(The self-heating is included)

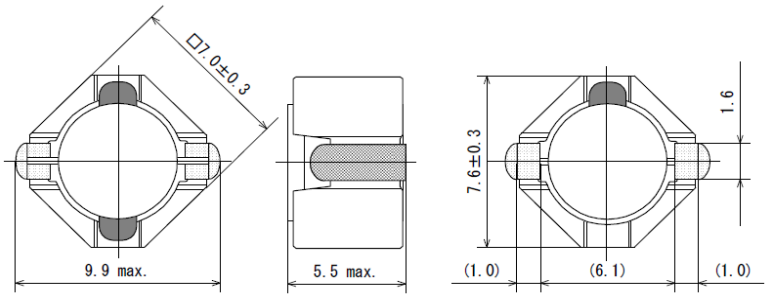
Magnetic structure：

Weight： 0.8 g

■ Applications

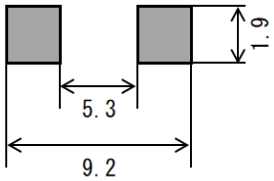
- Audio Visual/Mini System, AV Amplifier, for Professionals,Portable Audio,Camera
- Automotive/Car Navigation,ECU,LED Headlights,Car Audio
- Computer & Peripheral Device/Printer(MFP),Computer
- Others/Energy,Power Supply,Transceivers,FA,Medical

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (Ω) ±30%	DC Saturation Allowable Current (A)		Temperature Rise Allowable Current (A)	
			Typical	Spec	Typical	Spec
HER7052CA-3R3N	3.3±30%	0.0160	8.00	4.10	4.90	3.80
HER7052CA-4R7N	4.7±30%	0.0200	6.50	2.80	4.30	3.40
HER7052CA-8R2N	8.2±30%	0.0370	4.80	2.60	3.10	2.40
HER7052CA-100M	10±20%	0.0400	4.60	2.50	3.00	2.30
HER7052CA-150M	15±20%	0.0760	3.60	2.10	2.10	1.60
HER7052CA-220M	22±20%	0.130	2.90	1.80	1.60	1.30
HER7052CA-330M	33±20%	0.190	2.30	1.40	1.30	1.00
HER7052CA-470M	47±20%	0.240	1.90	1.10	1.10	0.900

Inductance Measuring Condition:100kHz,1V
DC saturation allowable current:The current value which inductance decrease within 30% from the initial value
Temperature rise allowable current:The rise in temperature of core surface is within 40℃

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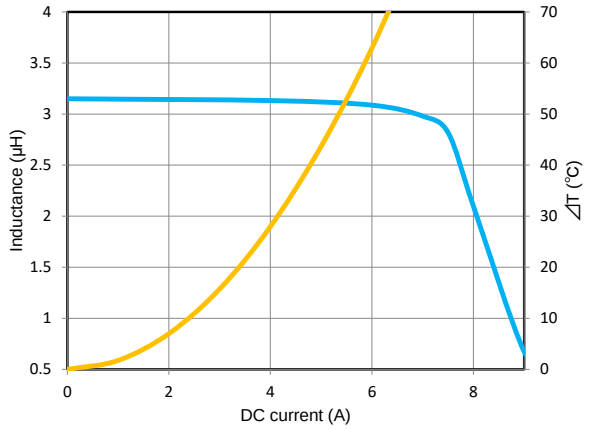
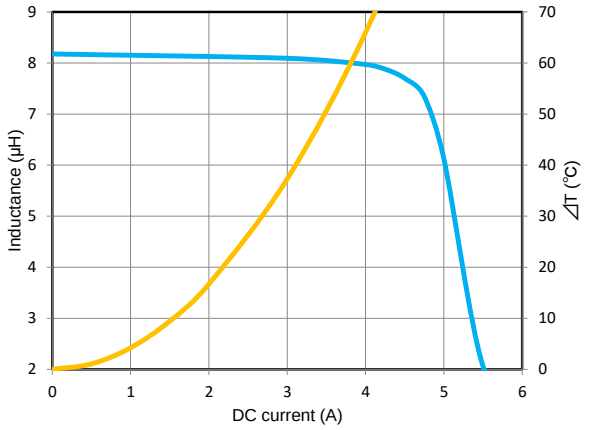
DC bias characteristics vs Temperature Rise Graph

L(25℃) ⊿T

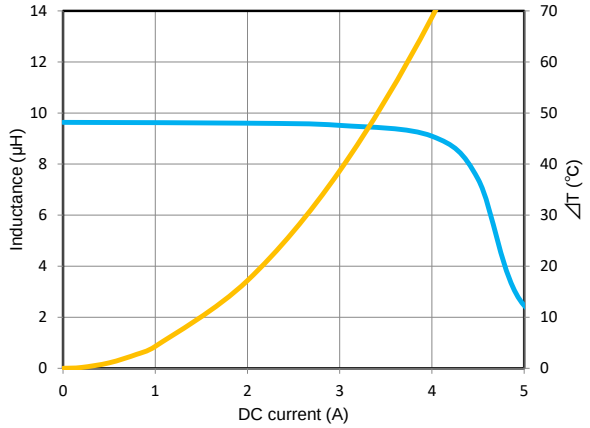
HER7052CA-3R3N



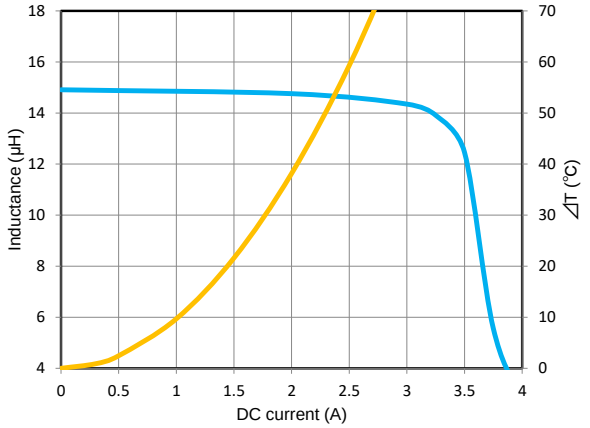
HER7052CA-8R2N



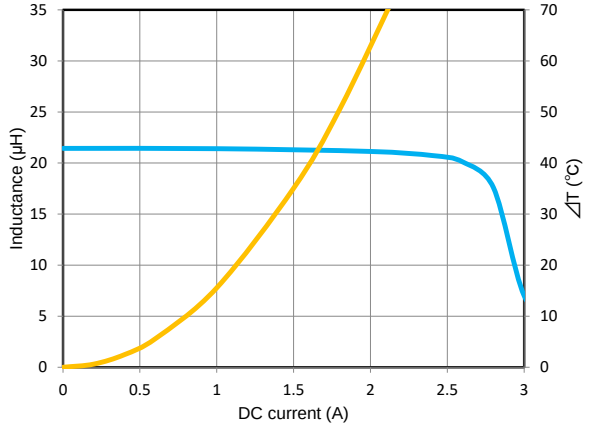
HER7052CA-100M



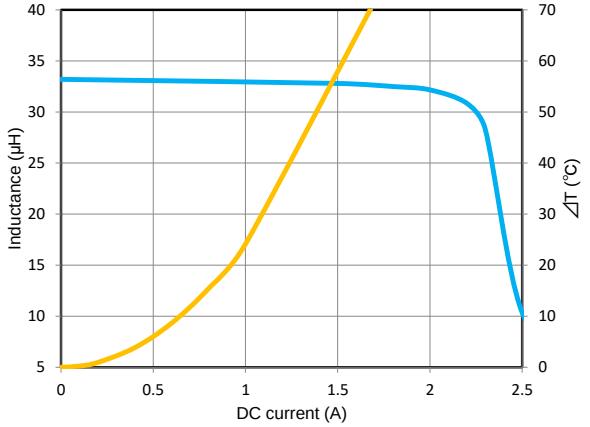
HER7052CA-150M



HER7052CA-220M



HER7052CA-330M



DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T