

HER7052C

AEC-Q200



■ Features

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

Magnetic structure :

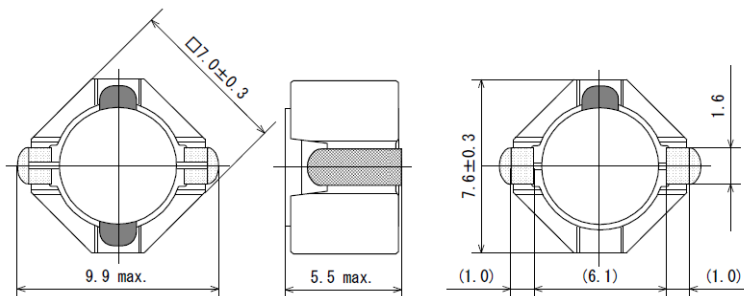


Weight : 0.78 g

■ Applications

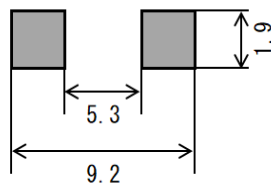
- Automotive/ECU,LED Headlights,Car Audio,Car Navigation
- Computer & Peripheral Device/Computer,Printer(MFP)
- Others/Power Supply,Transceivers,FA,Medical,Energy

■ 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

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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (A)		Temperature Rise Allowable Current (A)	
			Typical	Spec	Typical	Spec
HER7052C-3R3N	3.3 $\pm 30\%$	0.0310	7.70	6.70	3.50	2.60
HER7052C-4R7N	4.7 $\pm 30\%$	0.0370	7.00	6.20	3.30	2.40
HER7052C-8R2N	8.2 $\pm 30\%$	0.0490	5.70	4.20	3.00	2.10
HER7052C-100M	10 $\pm 20\%$	0.0560	4.90	3.80	2.70	2.00
HER7052C-150M	15 $\pm 20\%$	0.0850	4.20	3.30	2.10	1.50
HER7052C-220M	22 $\pm 20\%$	0.140	3.30	2.80	1.60	1.20
HER7052C-330M	33 $\pm 20\%$	0.260	2.70	2.30	1.10	0.840
HER7052C-470M	47 $\pm 20\%$	0.380	2.60	1.90	0.890	0.650

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°C

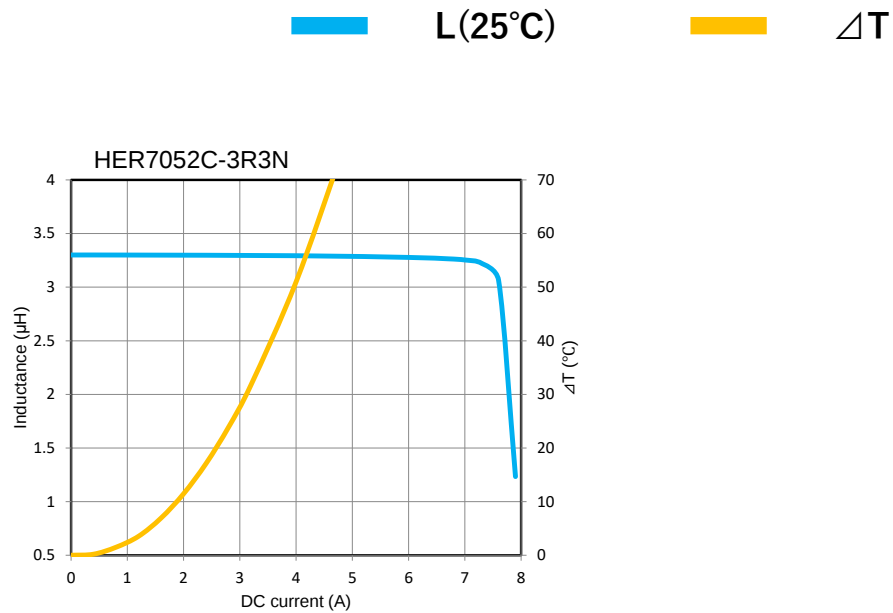


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DC bias characteristics vs Temperature Rise Graph



未掲載の定数については現在準備中ですが、ご依頼いただけましたら優先的にご用意いたします。
Unlisted constants are currently being prepared, but will be given priority if requested.



サガミ エレク株式会社
SAGAMI ELEC CO., LTD.