

CBH1053HA

AEC-Q200



■ Features

- High current, Low resistance
- Compact size using flat wire
- High reliability in vibration and shock resistance with 3 terminals
- AEC-Q200 compliant
- Operating temperature : -40°C~+150°C(The self-heating is included)

Magnetic structure :

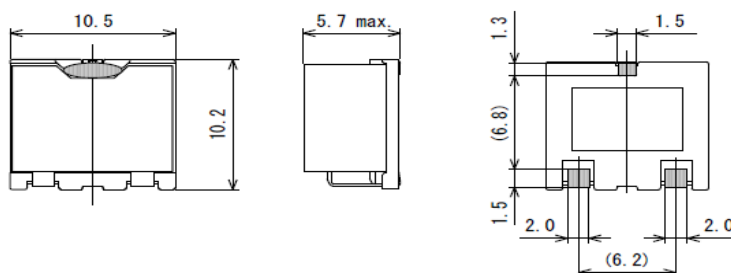


Weight : 1.76 g

■ Applications

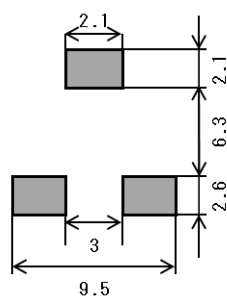
- Audio Visual/Mini System, AV Amplifier, for Professionals
- Automotive/LED Headlights, Car Audio, Car Navigation, ECU
- Computer & Peripheral Device/Printer(MFP)
- Others/Medical, Energy, Power Supply, FA

■ 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 (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
CBH1053HA-3R2M	3.2±20%	10.6	8.80	11.2	5.10
CBH1053HA-5R0M	5±20%	17.6	14.7	9.00	4.00
CBH1053HA-5R6M	5.6±20%	19.7	16.4	8.60	3.90
CBH1053HA-7R3M	7.3±20%	23.0	19.2	7.90	3.70
CBH1053HA-8R0M	8±20%	26.0	21.9	7.40	3.50

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

— $L(25^{\circ}\text{C})$ — ΔT

