7G09B

AEC-Q200

2in1

■ Features

- Space reduction is realized by 2 in 1 construction
- The optimal design realizes high quality sound and low distortion
- Compact size using flat wire
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant
- Operating temperature：-40℃～+125℃(The self-heating is included)
- Suffix H : Tape on top of product.

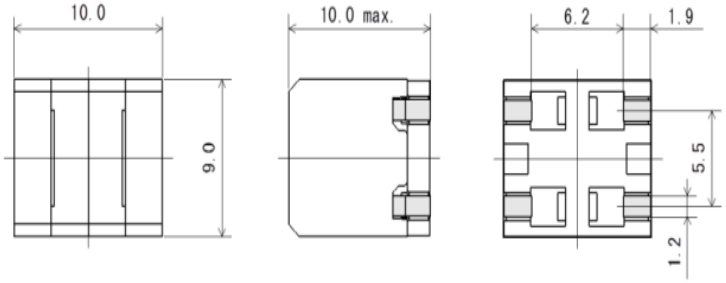
Magnetic structure：

Weight： 3.4 g

■ Applications

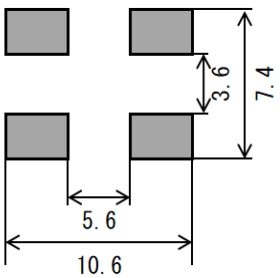
- Audio Visual/Mini System, AV Amplifier, for Professionals,TV and Monitor
- Automotive/Car Audio,Car Navigation
- Home Electronics/Games
- Others/Power Supply

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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■ Specifications

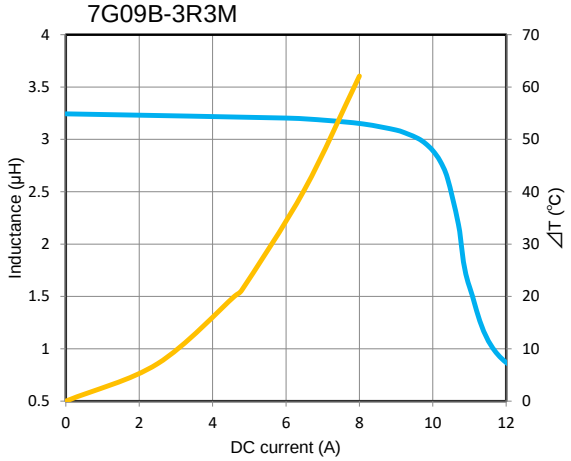
SAGAMI Part No.	Inductance (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
7G09B-3R3M	3.3±20%	11.5	9.60	8.10	4.80
7G09B-8R2M	8.2±20%	18.0	15.0	5.20	4.00
7G09B-100M	10±20%	22.0	18.0	5.00	3.90
7G09B-120M	12±20%	25.0	22.0	4.30	3.40
7G09B-150M	15±20%	44.0	36.0	4.10	2.80
7G09B-220M	22±20%	52.0	43.0	3.20	2.50
7G09B-330M	33±20%	52.0	43.0	2.00	2.50

Inductance Measuring Condition:100kHz,1V(＜10μH)、1kHz,1V(≧10μH)
DC saturation allowable current:The current value which inductance decrease within 25% from the initial value
Temperature rise allowable current:The rise in temperature of core surface is within 40℃

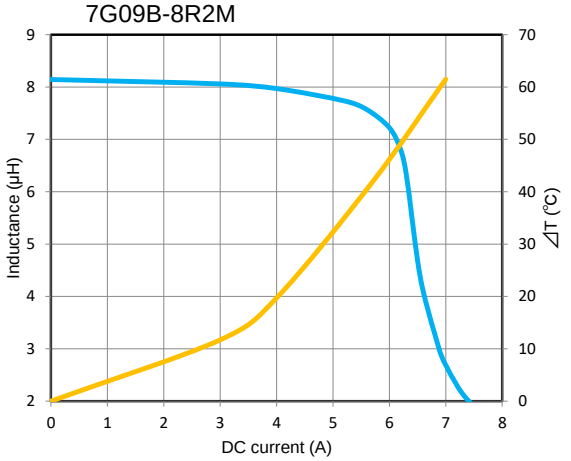
DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

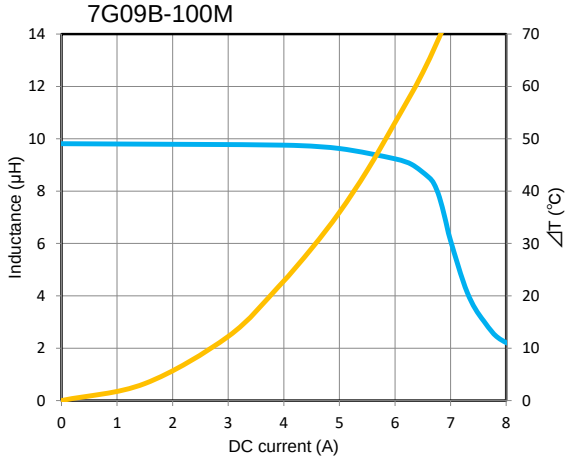
7G09B-3R3M



7G09B-8R2M



7G09B-100M



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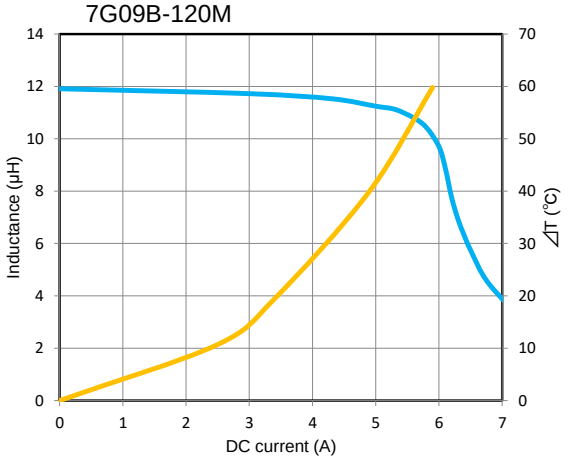

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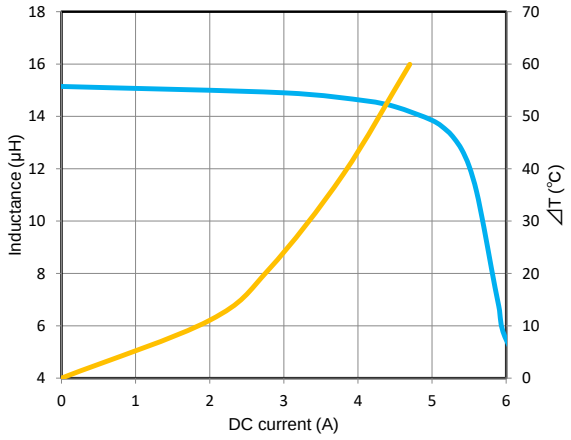

7G09B-220M