

DBE1010HB

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 (using OFC wire)
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant
- Operating temperature : -40°C~+125°C(The self-heating is included)

Magnetic structure :

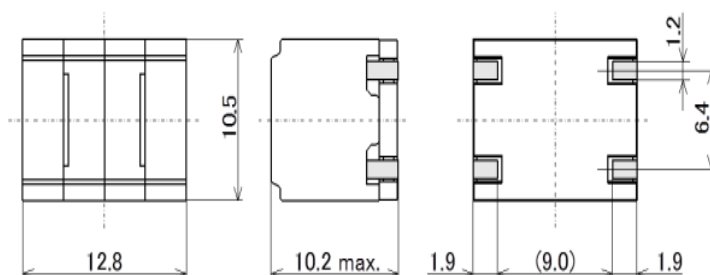


Weight : 4.7 g

■ Applications

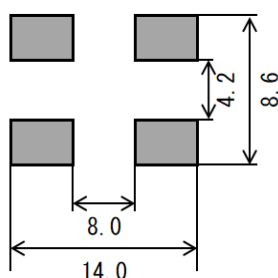
- Audio Visual/Mini System, AV Amplifier, for Professionals,TV and Monitor
- Automotive/Car Audio,Car Navigation
- Home Electronics/Games
- Others/Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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 Engineering Dept. TEL : +81 45 521 4543

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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR ($\text{m}\Omega$)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
DBE1010HB-3R3M	3.3 $\pm$ 20%	11.0	9.00	12.0	5.10
DBE1010HB-8R2M	8.2 $\pm$ 20%	16.0	13.4	7.20	4.40
DBE1010HB-100M	10 $\pm$ 20%	18.0	15.0	7.10	4.20
DBE1010HB-120M	12 $\pm$ 20%	20.0	17.0	6.00	4.00
DBE1010HB-150M	15 $\pm$ 20%	23.0	19.0	5.30	3.80
DBE1010HB-220M	22 $\pm$ 20%	38.0	32.0	4.30	3.00

Inductance Measuring Condition: 100kHz, 1V(<10 μH), 1kHz, 1V($\geq$ 10 μH)

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°C



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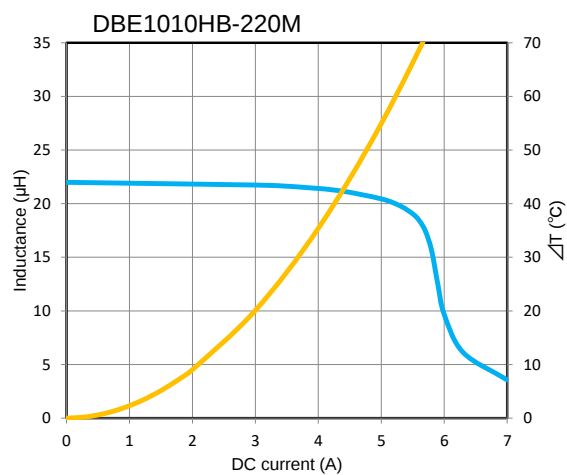
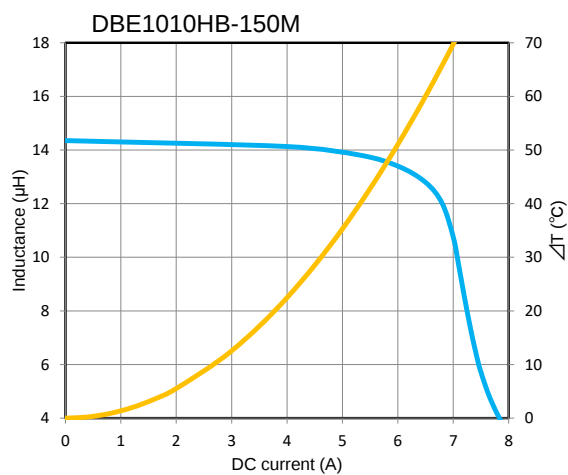
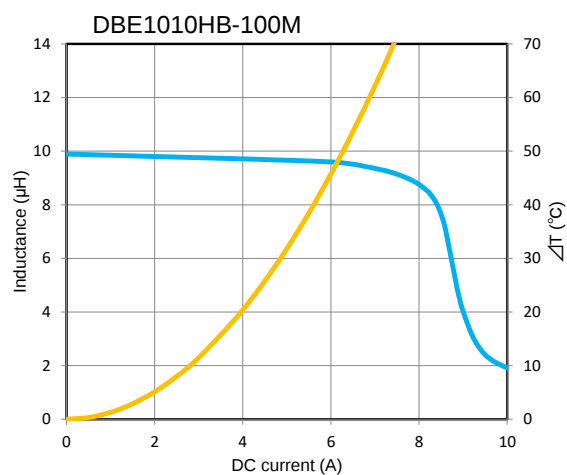
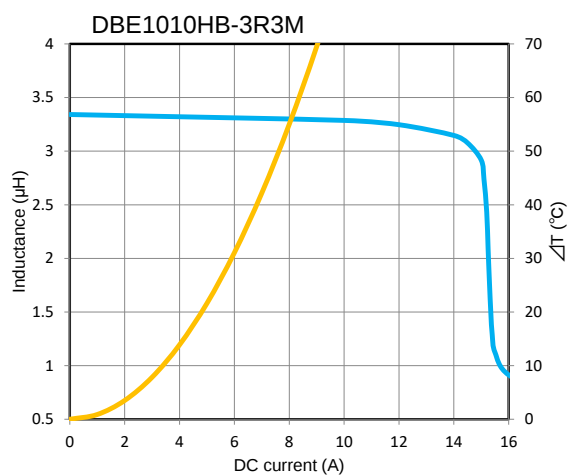
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



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