

# DBL8087H

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 :

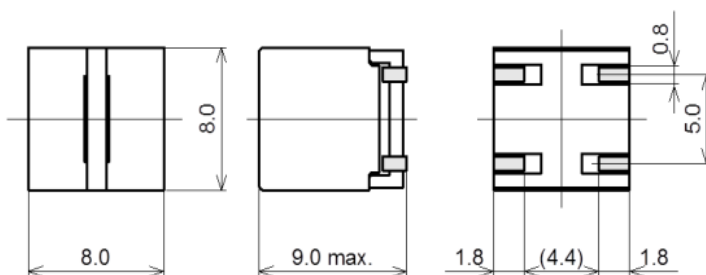


Weight : 2 g

■ Applications

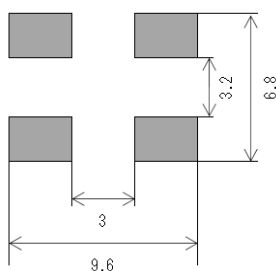
- Audio Visual/Mini System, AV Amplifier, for Professionals,TV and Monitor
- Automotive/Car Audio,Car Navigation
- Home Electronics/Games
- Others/Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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■ Specifications

SAGAMI Part No.	Inductance ( $\mu$ H)	DCR (m $\Omega$ )		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
DBL8087H-3R3M	3.3 $\pm$ 20%	18.0	15.0	7.20	3.90
DBL8087H-4R8N	4.8 $\pm$ 30%	22.0	18.0	6.20	3.60
DBL8087H-8R2M	8.2 $\pm$ 20%	36.0	26.5	4.70	2.90
DBL8087H-100M	10 $\pm$ 20%	40.0	28.0	4.30	2.70
DBL8087H-150M	15 $\pm$ 20%	54.0	42.0	3.60	2.30
DBL8087H-220M	22 $\pm$ 20%	90.0	69.0	3.00	1.80

Inductance Measuring Condition:100kHz,1V

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)      ■  $\Delta T$

