

# DBLQ8097HA

New Products

RoHS

AEC-Q200



## ■ 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
- Product designed for 2MHz drive frequency
- HA:Low DCR type
- HB:High current type

## ■ Magnetic structure



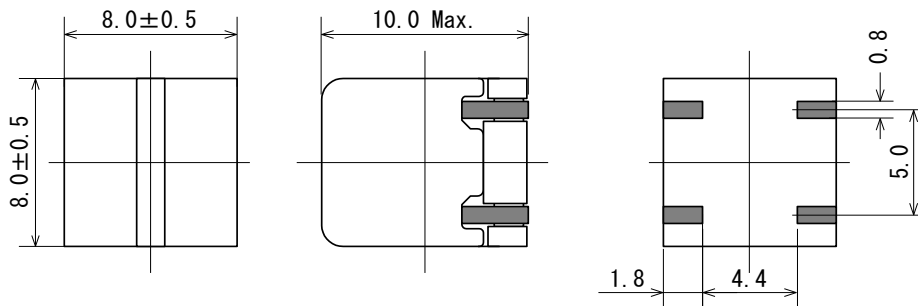
Operating Temperature Range : -40 °C~ +125 °C(include self-heating)

Weight : 2.1 g

## ■ Application

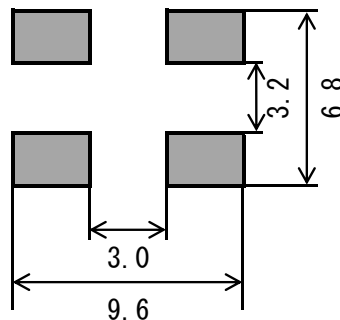
- AudioVisual
- TV and Monitor, Mini component, AV amplifier, Amplifier for professional
- Automotive  
Car Audio, Car Navigation
- Home Electronics  
Games
- Others  
Power Supply

## ■ Dimensions



(Unit : mm)

## ■ Recommended Land Pattern



SAGAMI ELEC CO., LTD.  
<https://www.sagami-elec.co.jp>

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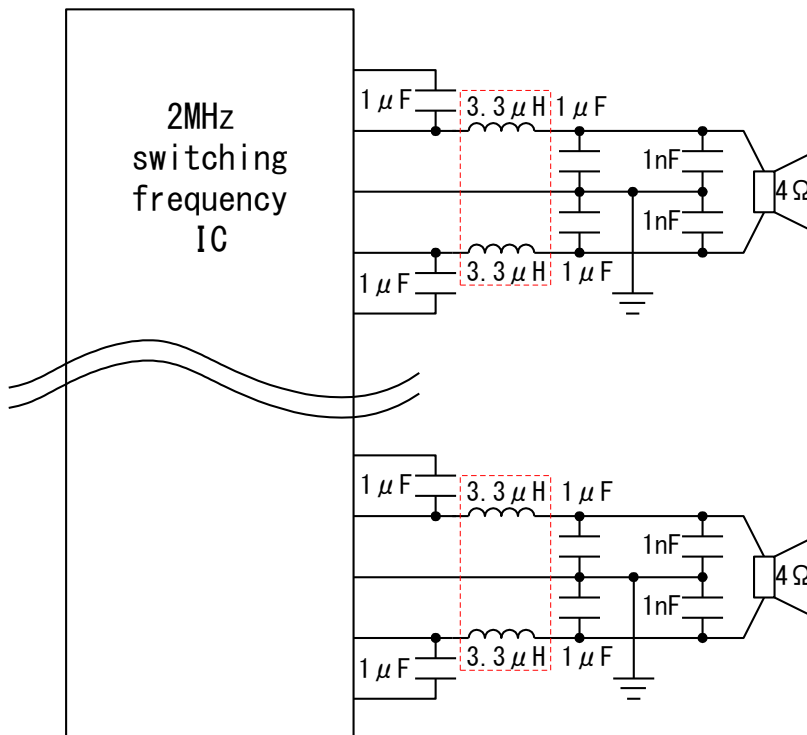
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## ■ Specifications

SAGAMI Part No.	Inductance ( $\mu\text{H}$ )	DCR Resistance ( $\text{m}\Omega$ )		DC saturation allowable current (A)	Teperature rise allowable current (A)
		Typical	max.		
DBLQ8097HA-3R3M	3.3 $\pm$ 20%	10.1	12.0	8.10	4.60
DBLQ8097HA-5R0M	5 $\pm$ 20%	13.8	17.9	5.70	4.00
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

- Inductance Measuring Condition : 100kHz,1V
- Rated current : DC saturation allowable current or Temperature rise allowable current,whichever is smaller.
  1. DC saturation allowable current : value of inductance decrease 25%.
  2. Temperature rise allowable current : A rise in temperature of core surface is 40°C.

## ■ Circuit example



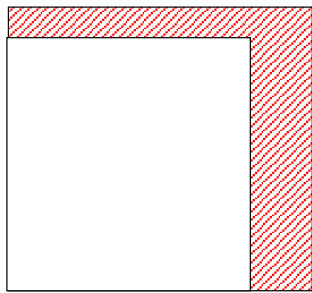
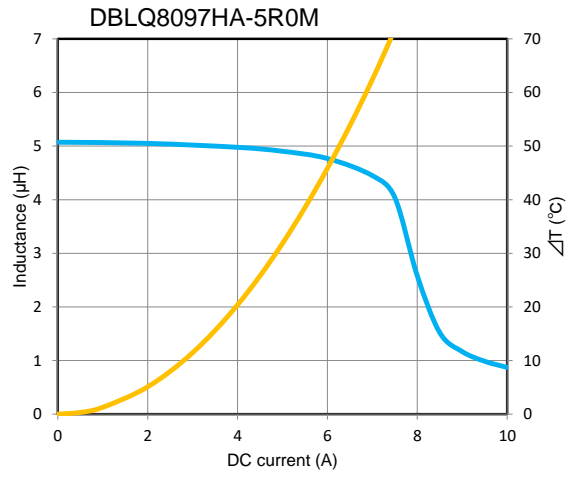
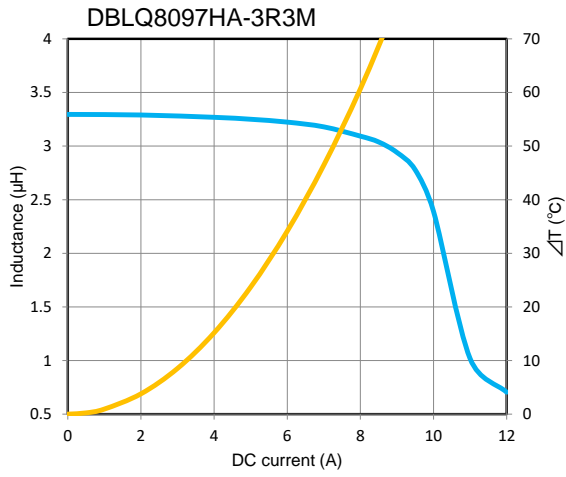
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# DC bias characteristics vs Temperature Rise Graph

■ L(25°C)      ■  $\Delta T$



  DBL9097HB : 90mm<sup>2</sup>  
↓ -30%  
  DBLQ8097H□ : 64mm<sup>2</sup>

