

New Product: Inductors for Class D 'DBL5674H'

SAGAMI ELEC CO., LTD. has released the '[DBL5674H](#)' (W5.6mm×D6.1mm×H8.0mm) Inductor for Class-D amplifier. The samples are now available starting November 2024.

The '[DBL5674H](#)' is a 2-in-1 inductor that is further downsized from the '[DBL7280H](#)', the smallest size in our '[DBL series](#)' of Inductors for Class-D amplifier.

The '[DBL5674H](#)' is the world's smallest size 2-in-1 inductor for class-D amplifier by size reduction, and was optimally designed for 2MHz, the IC drive frequency. This enables high sound quality and low distortion in spite of its small size, and it is also AEC Q200 compliant, making it suitable for in-vehicle audio applications.

In addition to car audio/car navigation applications, '[DBL5674H](#)' is also suitable for various audiovisual applications and for various power supplies that take advantage of its high DC superposition characteristics.

We will continue to expand our product lineup to meet worldwide market needs and provide a wide variety of solutions!

Applications

Car audio/Car navigation, TV and Monitor, Mini component audio system, AV Amp, Professional Amp, Home Electronics, Games, Other various power supplies.

Features

- Space saving 2-in-1 structure.
- The optimal design realizes high sound quality and low distortion.
- Compact size achieved by using flat wires.
- Product design matched to 2MHz drive frequency.
- AEC-Q200 compliant.
- Operating Temperature : -40°C ~ +125°C(including self-heating)

Electrical Characteristics

Part Number	L(μH)	DCR (mΩ)		Isat (A)	Irat (A)
		Max	Typical		
DBL5674H-3R3M	3.3 ± 20%	46.6	38.8	4.9	2.9

Product Details

<https://www.sagami-elec.co.jp/en/product/detail.php?type=DBL5674H>

Contact

For inquiries about this product (including quotations and sample requests), please contact us using [the inquiry form](#).