

DVK1516H



■ Features

- Inductor for LPF of Digital Amplifier (Class-D)
- Uniquely-developed core focused on sound quality
- Achieved high-quality sound with oxygen-free copper wire (OFC)
- Superior magnetic saturation characteristic and temperature-independent
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (The self-heating is included)

Magnetic structure :

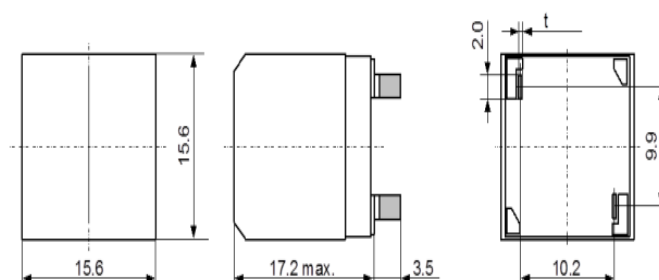


Weight : 17 g

■ Applications

- Audio Visual/Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio
- Others/Power Supply

■ Dimensions



(Unit : mm)


■ Recommended Land Pattern

(Unit : mm)



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

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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR Typical (m Ω)	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
DVK1516H-4R7M	4.7 \pm 20%	4.30	44.3	18.8
DVK1516H-100M	10 \pm 20%	7.80	27.8	14.7
DVK1516H-220M	22 \pm 20%	15.9	18.5	10.4

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease 25% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is 40°C



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