

DRU8189G

AEC-Q200

2in1



■ Features

- Realization of high current specifications by metallic magnetic material.
- Space reduction is realized by 2 in 1 construction
- Decreased acoustic noise by there are no air gaps.
- Low inductance variance in temperature environments.
- AEC-Q200 compliant
- Operating temperature : -40°C~+125°C(The self-heating is included)
- Withstand Voltage:75V

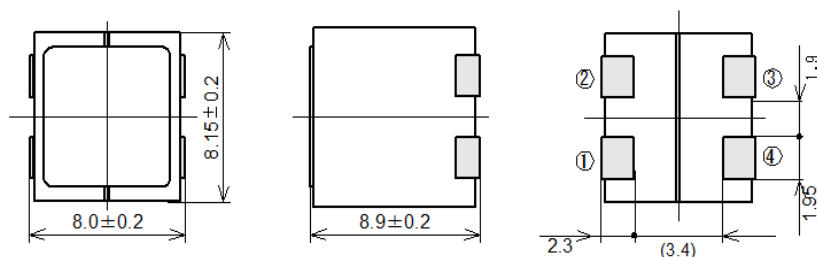
Magnetic structure :



■ Applications

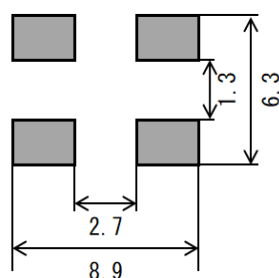
- Audio Visual/TV and Monitor, Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio, Car Navigation
- Home Electronics/Games
- Others/Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



SAGAMI ELEC CO., LTD.
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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR (m Ω)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
DRU8189G-3R3M	3.3 \pm 20%	15.8	13.2	16.8	6.30
DRU8189G-100M	10 \pm 20%	40.0	32.5	8.00	4.00
DRU8189G-220M	22 \pm 20%	105.0	88.0	4.60	2.40

Inductance Measuring Condition:100kHz,0.25V

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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