

## XRK1054D

NEW

AEC-Q200



### ■ Features

- Realization of high current specifications by metallic magnetic material.
- Decreased acoustic noise due to the absence of air gaps.
- Low inductance variation across temperature ranges.
- Operating temperature : -40°C~+150°C(The self-heating is included)
- AEC-Q200 compliant
- Withstand Voltage:100V

Magnetic structure :

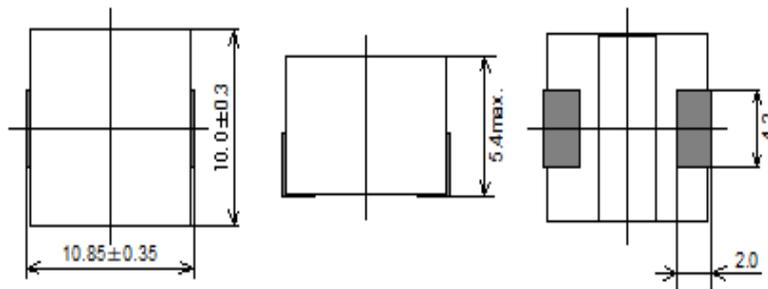
Mold

Weight : 3.3 g

### ■ Applications

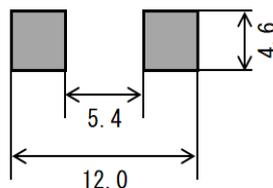
- Audio Visual/Mini System, AV Amplifier, for Professionals, Camera, Recorder, TV and Monitor
- Automotive/Car Navigation, ECU, LED Headlights, Car Audio
- Computer & Peripheral Device/Printer(MFP), Industrial Machines, Computer
- Home Electronics/LED Lights
- Others/FA, Medical, Energy, Power Supply

### ■ Dimensions



(Unit : mm)

### ■ Recommended Land Pattern



(Unit : mm)



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

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⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance ( $\mu$ H)	DCR ( $m\Omega$ )		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
XRK1054D-R68M	0.68 $\pm$ 20%	2.50	2.20	42.0	19.5
XRK1054D-1R0M	1 $\pm$ 20%	2.90	2.50	36.0	19.3
XRK1054D-1R5M	1.5 $\pm$ 20%	4.20	3.60	32.0	17.5
XRK1054D-2R2M	2.2 $\pm$ 20%	5.50	4.90	27.5	14.2
XRK1054D-2R5M	2.5 $\pm$ 20%	6.20	5.50	24.0	13.0
XRK1054D-3R3M	3.3 $\pm$ 20%	7.80	6.80	22.0	12.0
XRK1054D-4R7M	4.7 $\pm$ 20%	10.7	9.60	18.0	10.5
XRK1054D-6R8M	6.8 $\pm$ 20%	16.0	13.5	16.0	9.00
XRK1054D-100M	10 $\pm$ 20%	21.6	18.8	10.5	7.20

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease 30% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is 30°C



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