

XRK0420A

NEW

AEC-Q200



■ Features

- Realization of high current specifications by metallic magnetic material.
- Decreased acoustic noise by there are no air gaps.
- Low inductance variance in temperature environments.
- Operating temperature : -40°C~+125°C(The self-heating is included)
- AEC-Q200 compliant
- Withstand Voltage:100V

Magnetic structure :

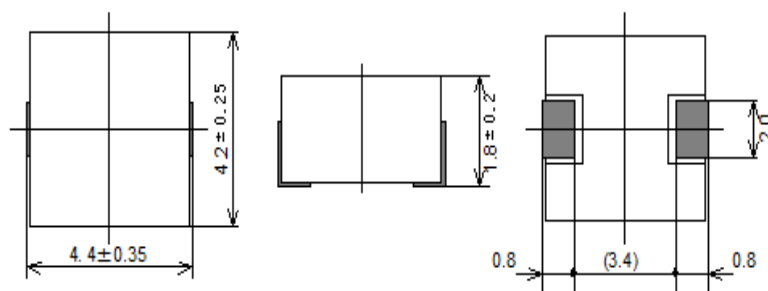


Weight : 0.19 g

■ Applications

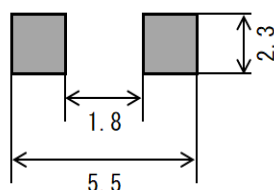
- Audio Visual/Mini System, AV Amplifier, for Professionals,Camera,Recorder,TV and Monitor
- Automotive/Car Navigation,ECU,LED Headlights,Car Audio
- Computer & Peripheral Device/Printer(MFP),Industrial Machines,Computer
- Home Electronics/LED Lights
- Others/FA,Medical,Energy,Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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<https://www.sagami-elec.co.jp>

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 Engineering Dept. TEL : +81 45 521 4543

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

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
XRK0420A-R24M	0.24±20%	6.40	5.50	23.0	11.0
XRK0420A-R33M	0.33±20%	8.50	7.40	14.0	9.50
XRK0420A-R47M	0.47±20%	12.6	10.6	13.0	8.10
XRK0420A-R68M	0.68±20%	14.0	12.2	10.5	7.50
XRK0420A-1R0M	1±20%	22.3	19.4	8.50	6.50
XRK0420A-1R5M	1.5±20%	30.8	56.8	8.00	4.60
XRK0420A-2R2M	2.2±20%	48.0	41.7	7.50	4.00
XRK0420A-3R3M	3.3±20%	85.1	74.0	5.00	3.30
XRK0420A-4R7M	4.7±20%	113.0	98.5	3.80	2.80
XRK0420A-6R8M	6.8±20%	192.0	167.0	3.50	2.00
XRK0420A-100M	10±20%	265.0	230.0	3.00	1.70

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 40°C



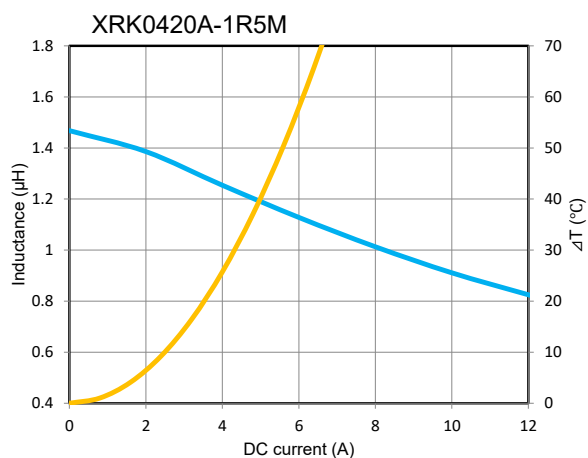
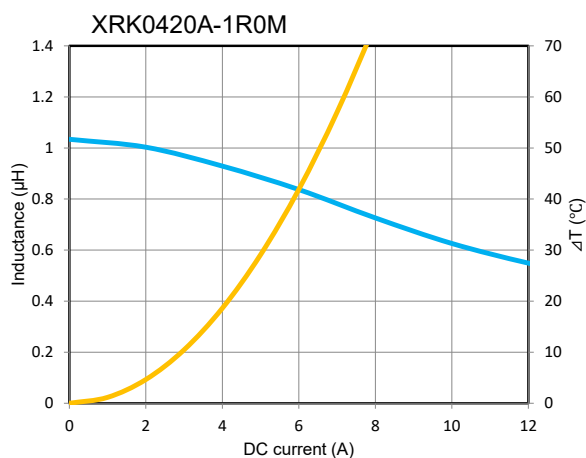
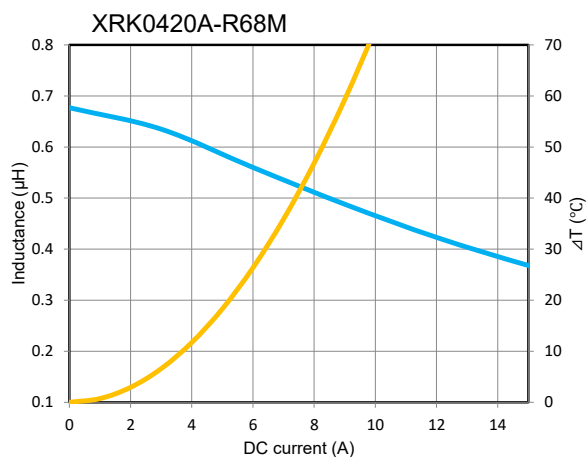
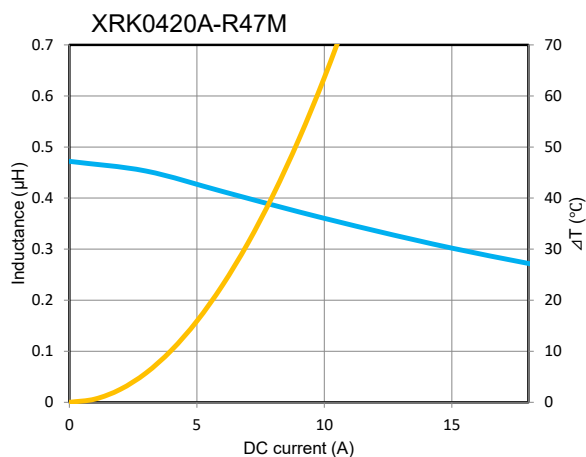
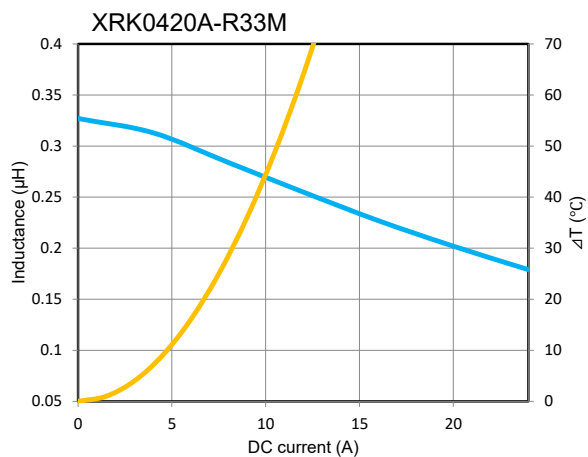
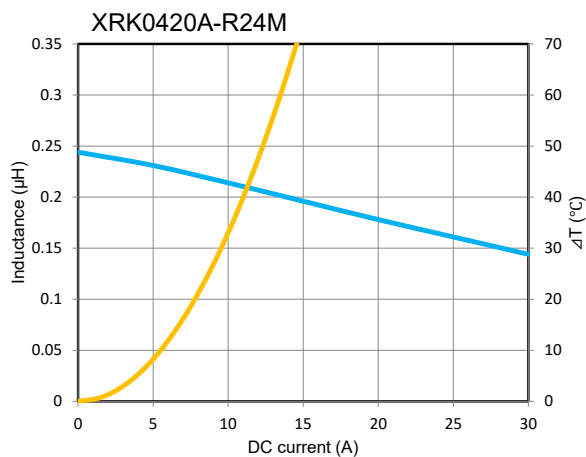
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DC bias characteristics vs Temperature Rise Graph

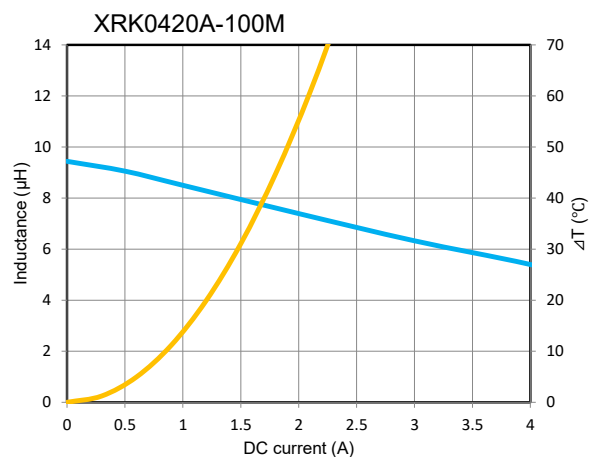
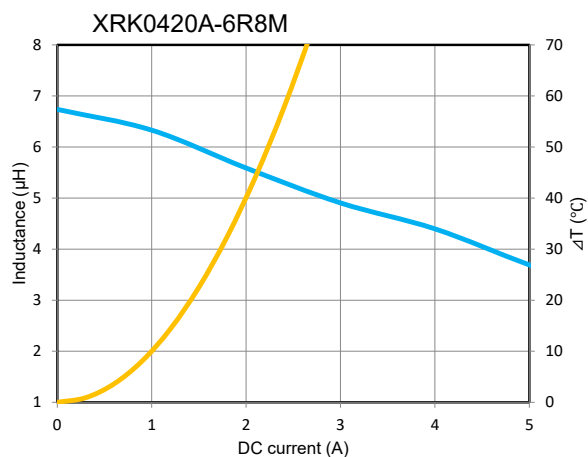
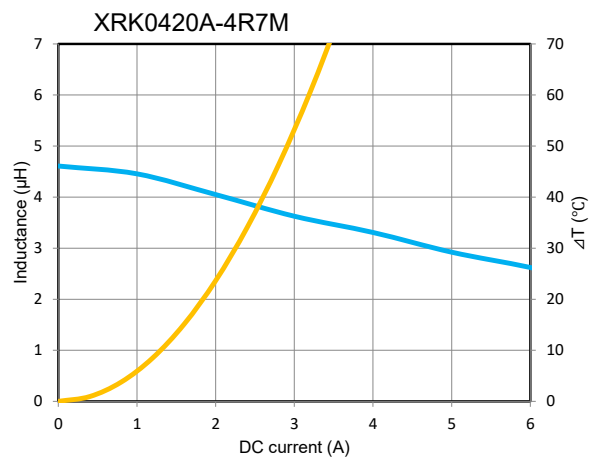
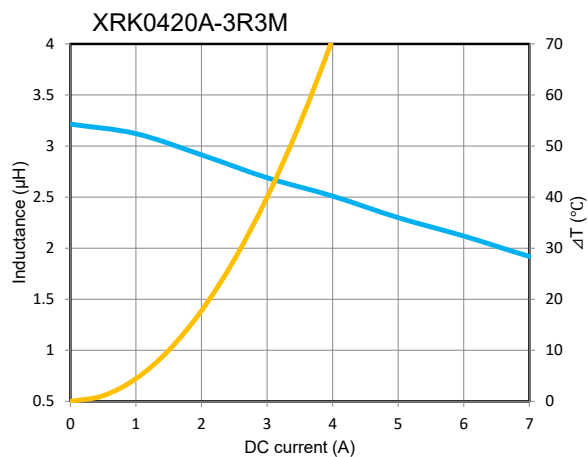
■ $L(25^{\circ}\text{C})$
■ ΔT



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■ L(25°C)
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