

XRK1365B

AEC-Q200



■ Features

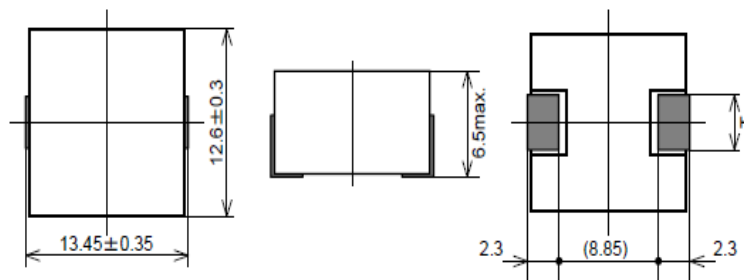
- Realization of small size and high current specifications by metallic magnetic material.
- Decreased acoustic noise by there are no air gaps.
- Low inductance variance in temperature environments.
- AEC-Q200 compliant
- Operating temperature : $-40^{\circ}\text{C}\sim+150^{\circ}\text{C}$ (The self-heating is included)

Weight : 5.7~6 g

■ Applications

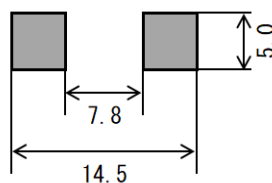
- Audio Visual/TV and Monitor, Mini System, AV Amplifier, for Professionals, Camera, Recorder
- Automotive/Car Audio, Car Navigation, ECU, LED Headlights
- Computer & Peripheral Device/Computer, Printer(MFP), Industrial Machines
- Home Electronics/LED Lights
- Others/Power Supply, FA, Medical, Energy

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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Engineering Dept. TEL : +81 45 521 4543

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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		(m Ω)			
		max.	Typical		
XRK1365B-R22M	0.22 \pm 20%	0.600	0.500	100.0	44.0
XRK1365B-R33M	0.33 \pm 20%	0.700	0.600	70.0	42.0
XRK1365B-R47M	0.47 \pm 20%	0.900	0.700	56.0	37.0
XRK1365B-R68M	0.68 \pm 20%	1.50	1.30	46.0	29.0
XRK1365B-1R0M	1 \pm 20%	1.80	1.50	34.0	26.0
XRK1365B-1R2M	1.2 \pm 20%	2.10	1.80	30.0	22.5
XRK1365B-1R5M	1.5 \pm 20%	2.40	2.00	25.0	21.0
XRK1365B-1R8M	1.8 \pm 20%	2.90	2.60	24.0	19.0
XRK1365B-2R2M	2.2 \pm 20%	3.10	2.60	23.0	18.5
XRK1365B-3R3M	3.3 \pm 20%	4.10	3.60	18.0	16.5
XRK1365B-4R7M	4.7 \pm 20%	7.30	6.30	20.0	13.0
XRK1365B-5R6M	5.6 \pm 20%	8.30	7.20	18.0	12.0
XRK1365B-6R8M	6.8 \pm 20%	11.5	9.50	15.0	10.0
XRK1365B-7R8M	7.8 \pm 20%	11.8	10.3	16.0	10.0
XRK1365B-8R2M	8.2 \pm 20%	11.9	10.3	14.0	10.0
XRK1365B-100M	10 \pm 20%	17.2	15.0	13.5	8.30
XRK1365B-120M	12 \pm 20%	18.9	16.4	12.5	8.00
XRK1365B-150M	15 \pm 20%	23.4	20.3	11.0	7.00
XRK1365B-220M	22 \pm 20%	33.1	28.8	8.00	6.00
XRK1365B-330M	33 \pm 20%	45.0	40.8	7.50	5.00
XRK1365B-560M	56 \pm 20%	65.0	55.0	4.30	4.00

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease 20% from the initial value

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



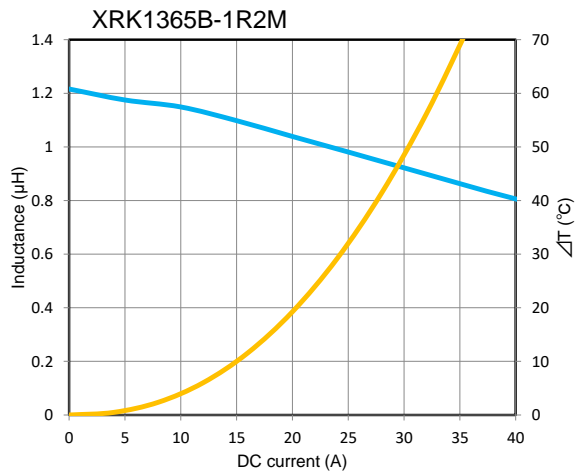
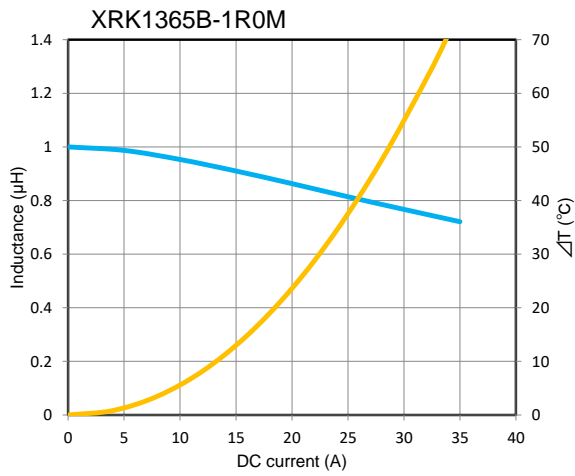
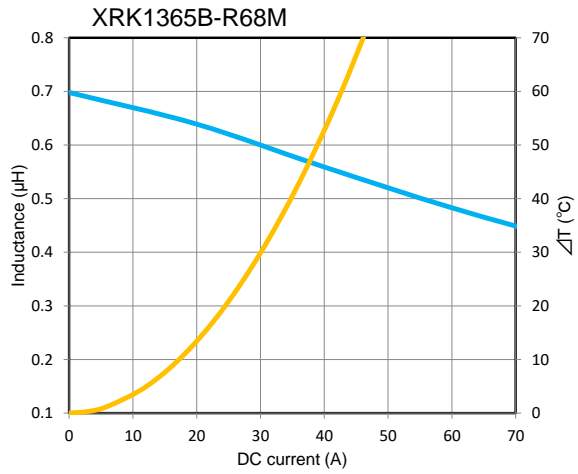
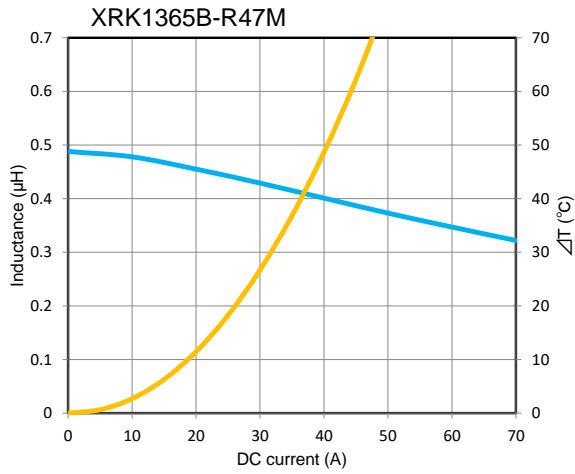
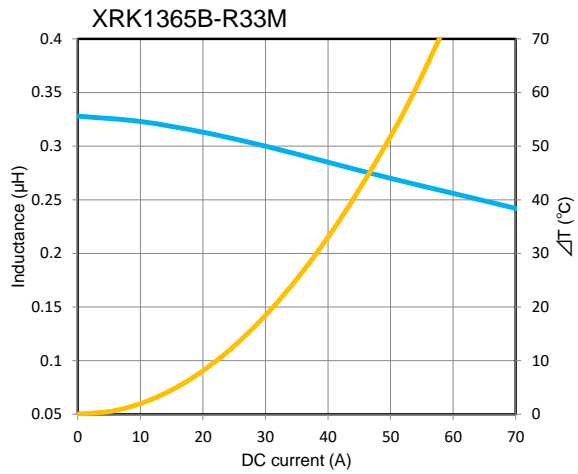
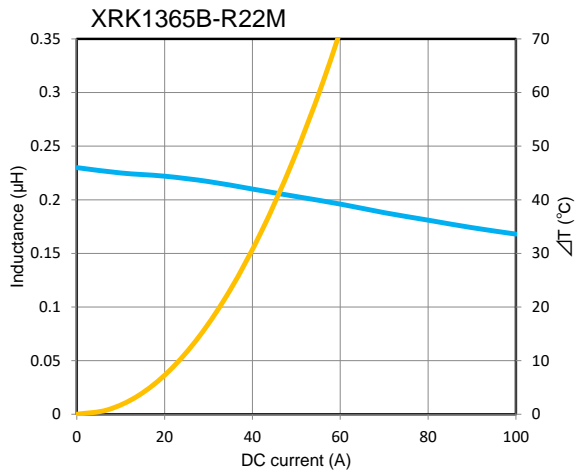
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DC bias characteristics vs Temperature Rise Graph

— L(25°C) — ΔT



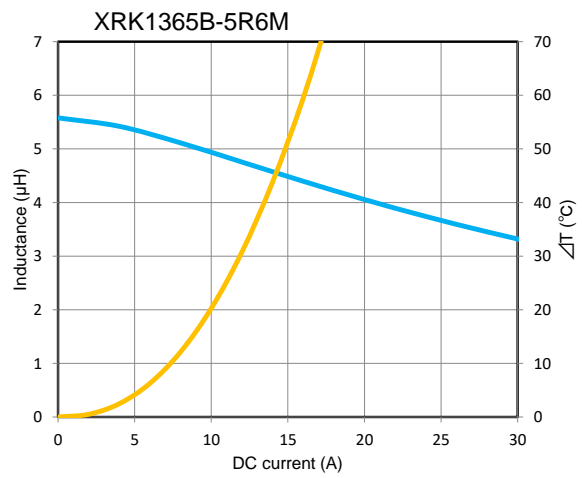
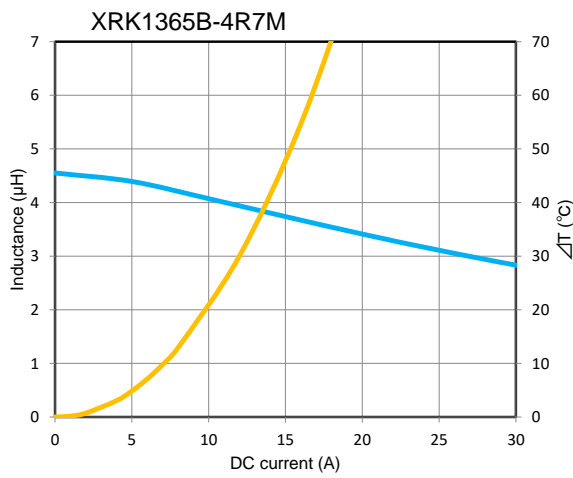
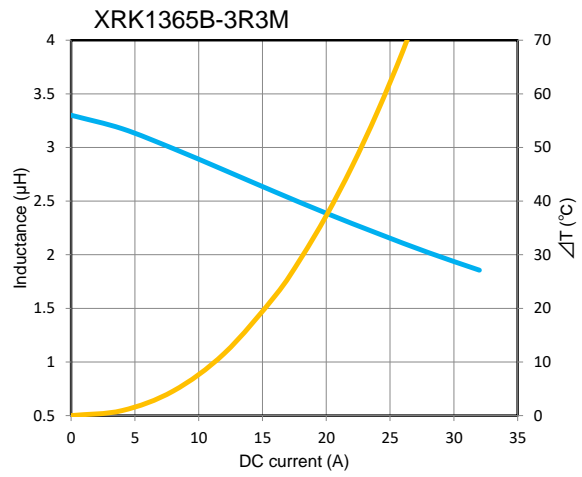
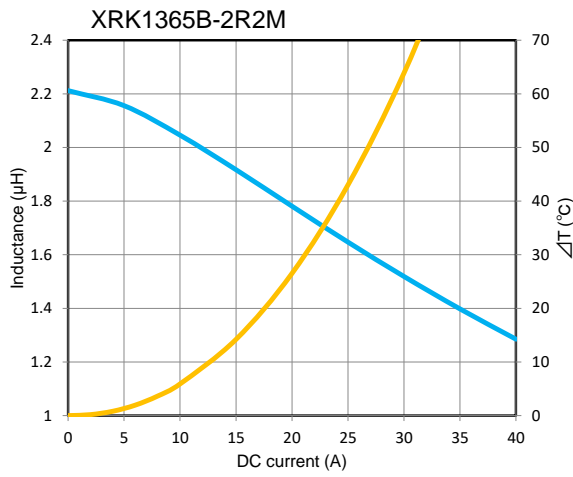
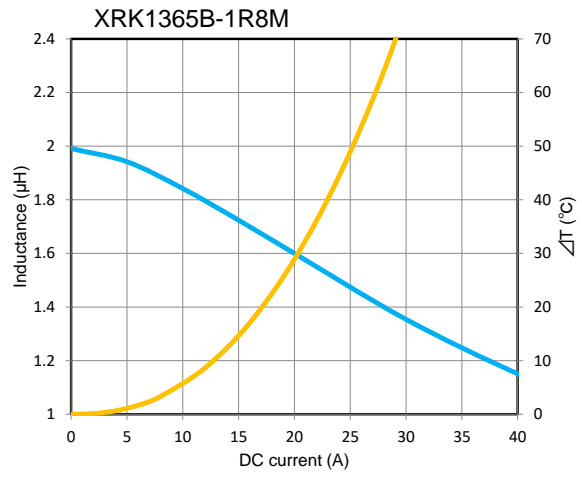
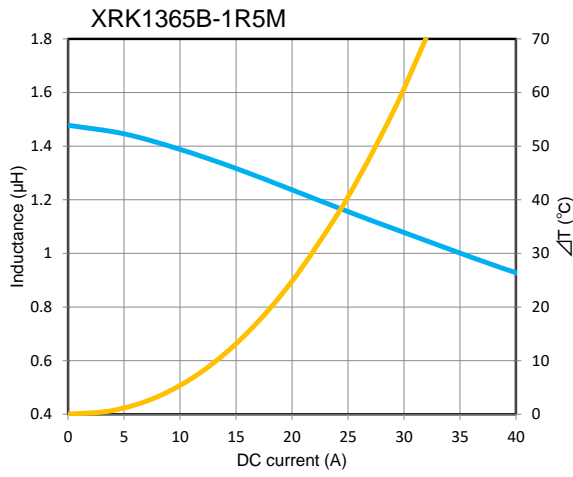
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L(25°C)



ΔT



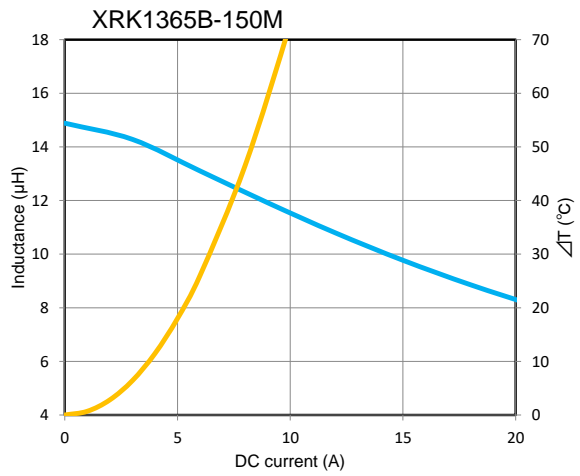
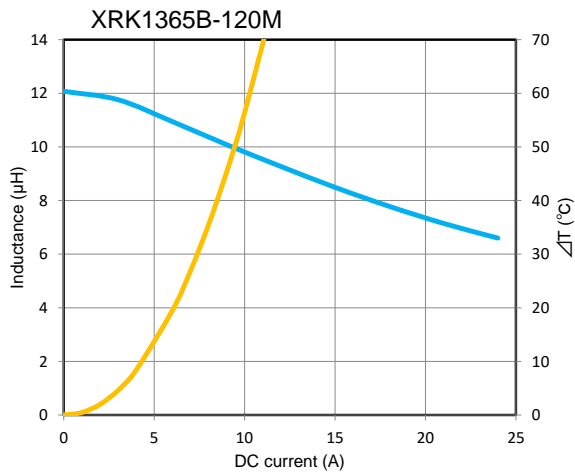
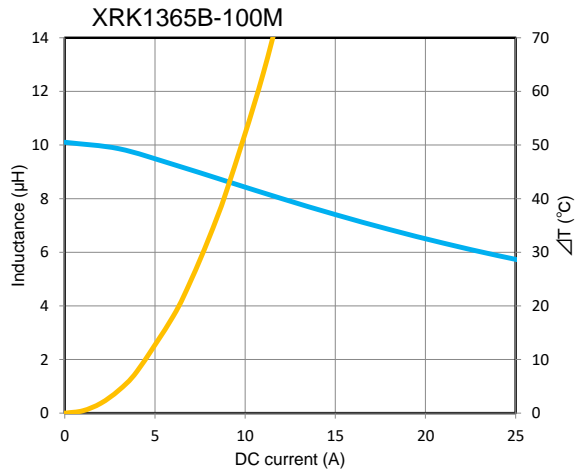
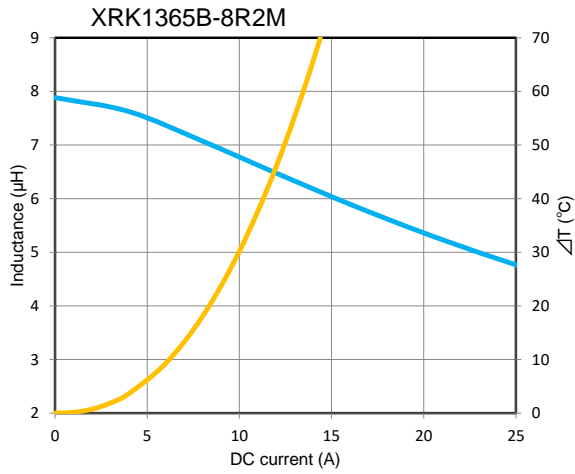
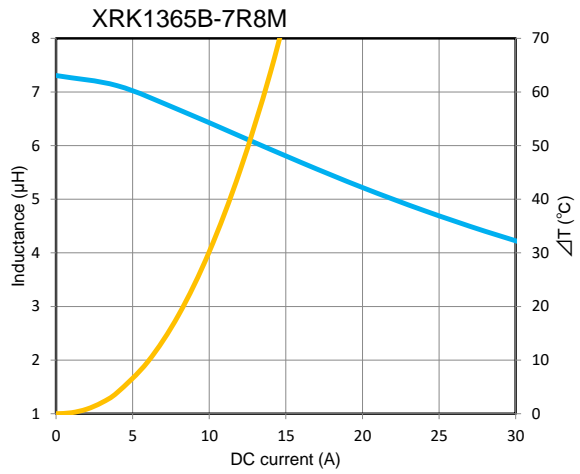
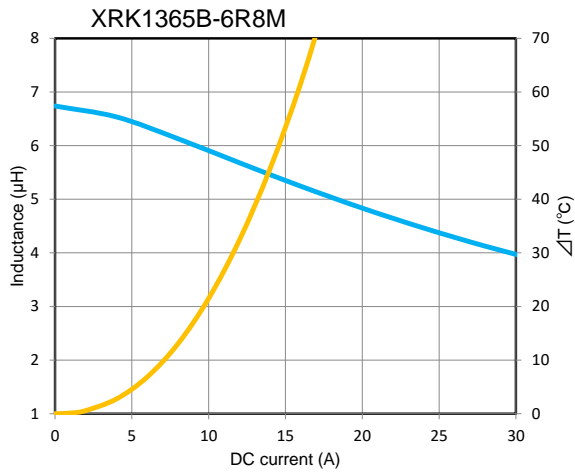
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L(25°C)



ΔT



DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT

