XRK0730B

AEC-Q200

■ Features

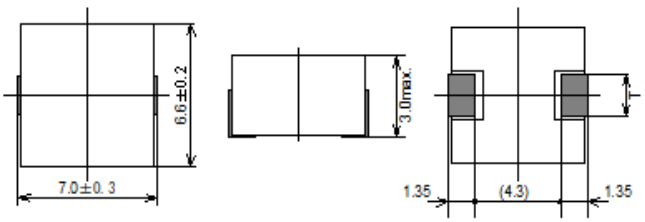
- Realization of small size and high current specifications by metallic magnetic material.
- Decreased acoustic noise by there are no air gaps.
- Low inductance variance in temperature environments.
- AEC-Q200 compliant
- Operating temperature：-40℃～+150℃(The self-heating is included)

Weight： 0.63～0.72 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),Industorial Machines
- Home Electronics/LED Lights
- Others/Power Supply,FA,Medical,Energy

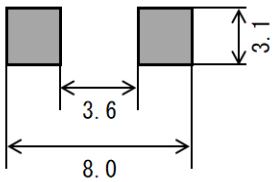
■ Dimensions



Inductance	T
0.22uH	2.5
0.15,0.33～33uH	2.9

(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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

■ Specifications

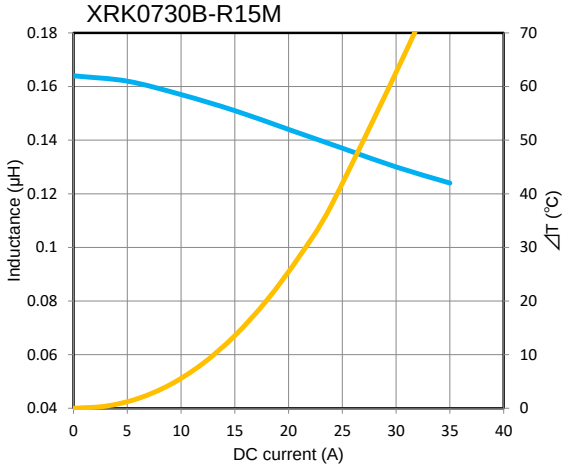
SAGAMI Part No.	Inductance (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
XRK0730B-R15M	0.15±20%	1.30	1.00	30.0	24.0
XRK0730B-R22M	0.22±20%	2.30	1.80	32.0	18.0
XRK0730B-R33M	0.33±20%	3.50	2.90	19.0	15.0
XRK0730B-R47M	0.47±20%	4.10	3.70	17.0	13.0
XRK0730B-R56M	0.56±20%	4.50	3.80	12.0	13.0
XRK0730B-R68M	0.68±20%	5.50	4.80	13.0	12.0
XRK0730B-R82M	0.82±20%	6.60	5.70	14.0	10.0
XRK0730B-1R0M	1±20%	7.80	6.50	9.00	10.0
XRK0730B-1R2M	1.2±20%	9.90	8.60	12.0	9.00
XRK0730B-1R5M	1.5±20%	11.5	9.50	10.0	8.50
XRK0730B-2R2M	2.2±20%	15.5	12.5	8.50	7.00
XRK0730B-3R3M	3.3±20%	28.5	24.5	7.50	5.00
XRK0730B-4R7M	4.7±20%	46.5	40.3	6.80	4.00
XRK0730B-6R8M	6.8±20%	65.0	54.0	5.60	3.60
XRK0730B-8R2M	8.2±20%	64.0	53.0	4.80	3.50
XRK0730B-100M	10±20%	75.0	65.0	4.40	3.30
XRK0730B-150M	15±20%	110.0	96.0	3.60	2.60
XRK0730B-220M	22±20%	149.0	135.0	2.90	2.00
XRK0730B-330M	33±20%	242.0	200.0	2.30	1.60

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℃

DC bias characteristics vs Temperature Rise Graph

L(25°C) ⊿T

XRK0730B-R15M



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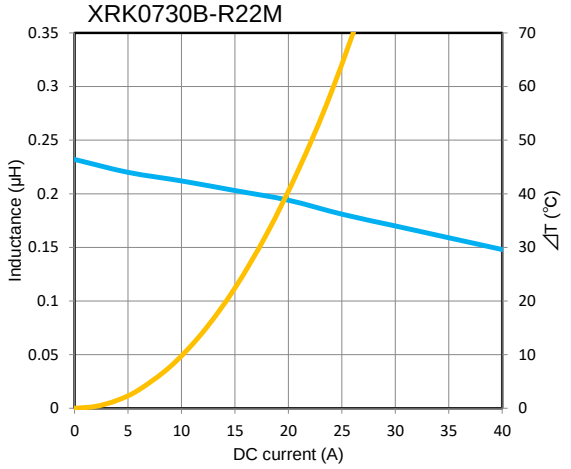

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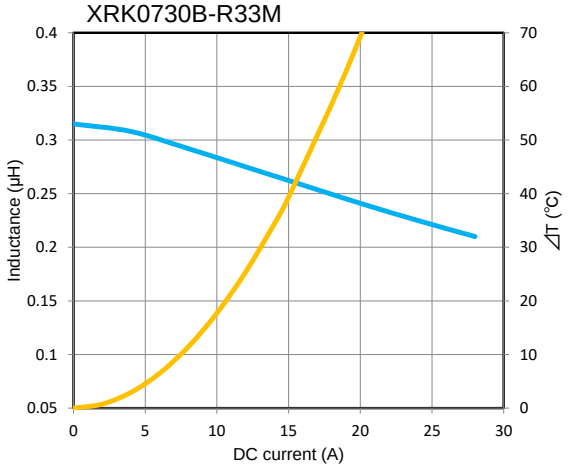

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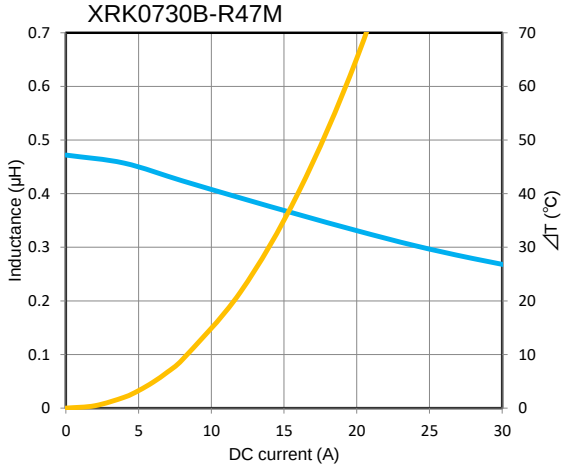

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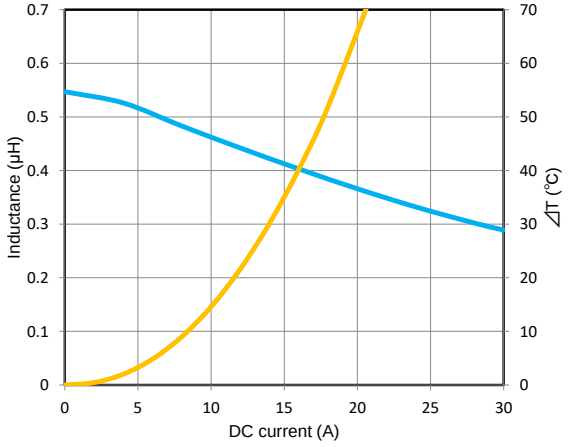

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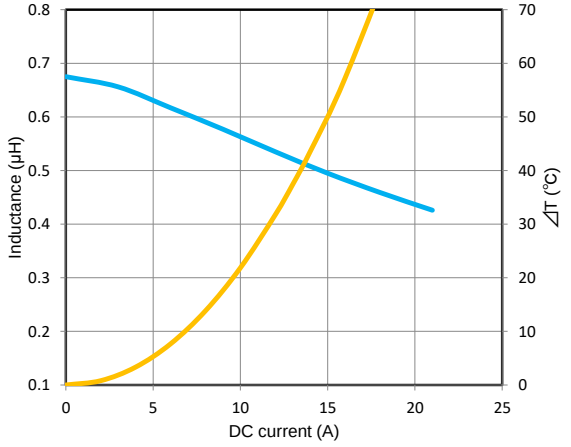
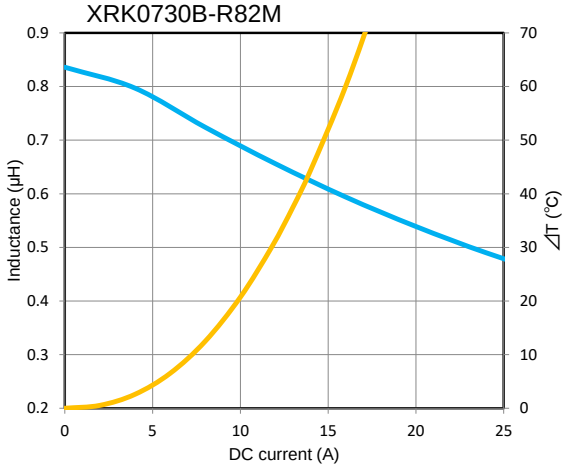


DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T

XRK0730B-R82M



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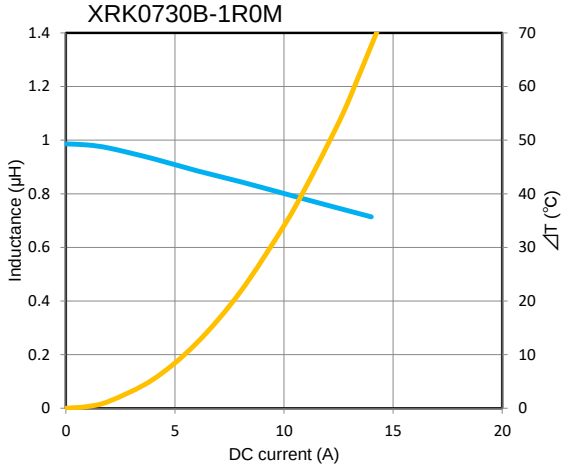

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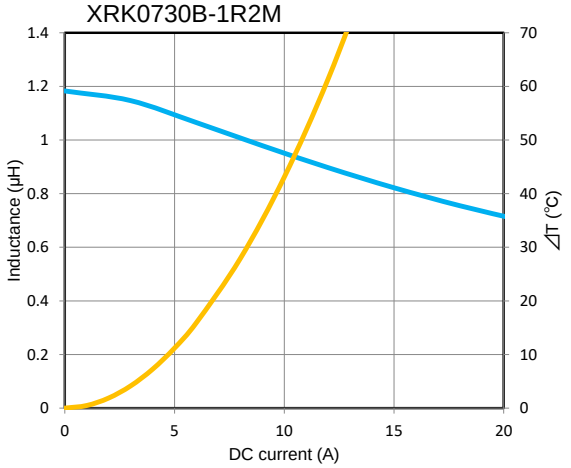

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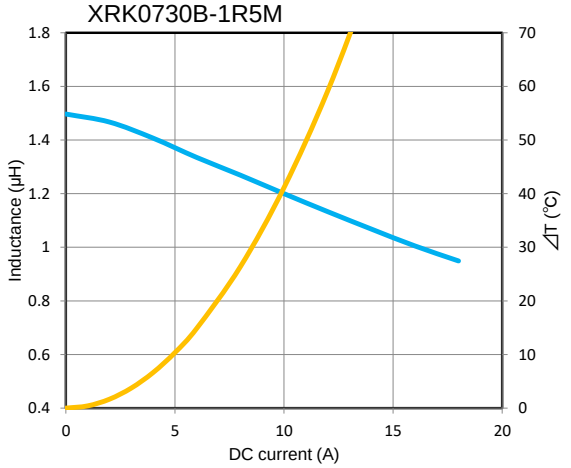

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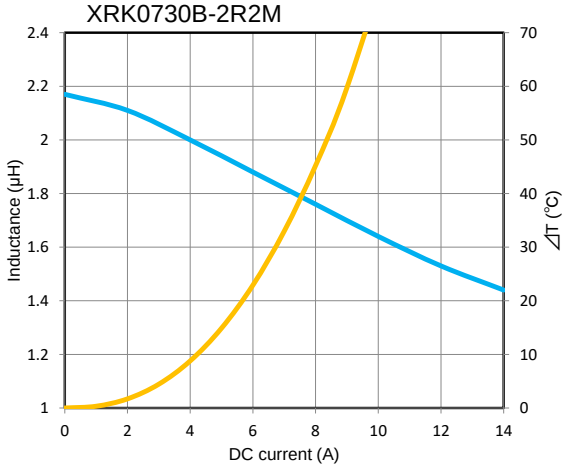

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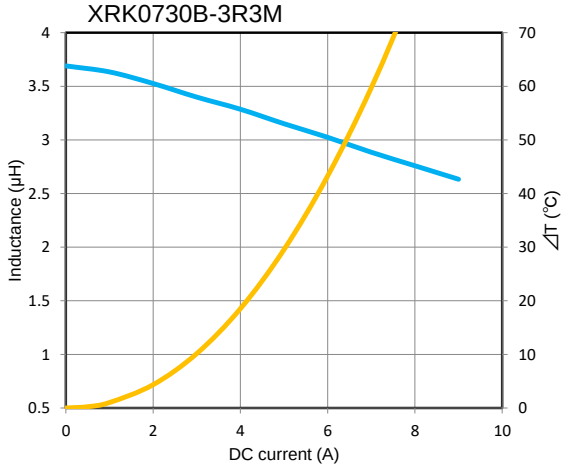

DC bias characteristics vs Temperature Rise Graph

L(25°C) ⊿T

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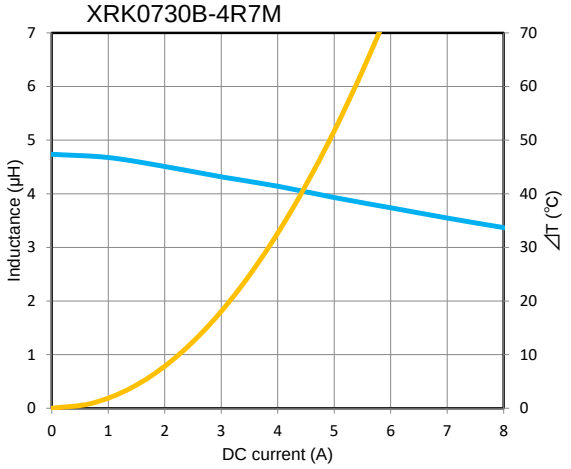

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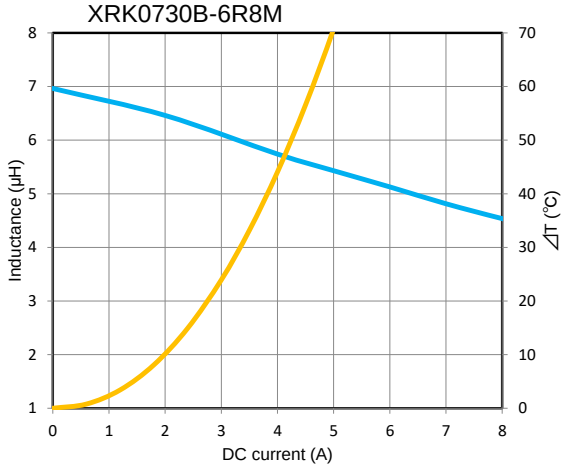

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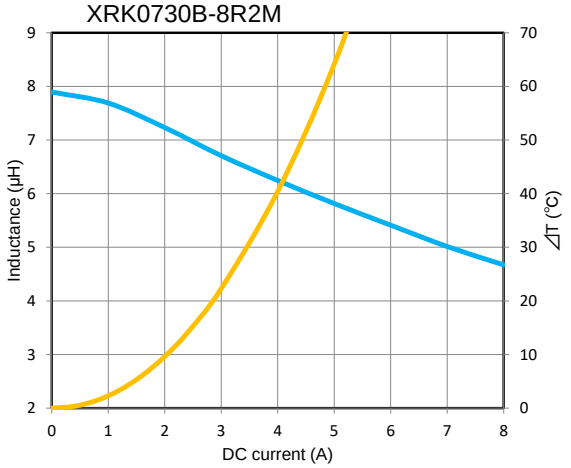

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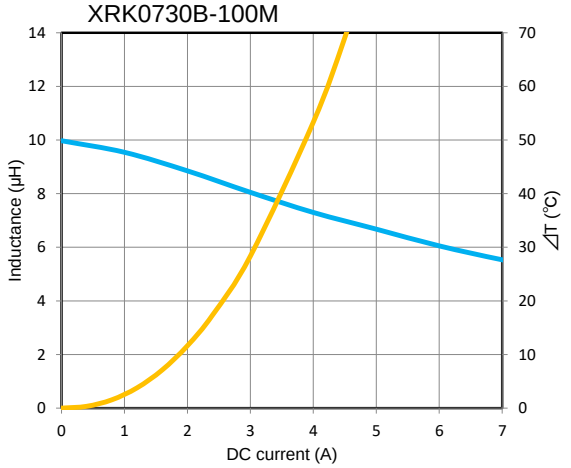

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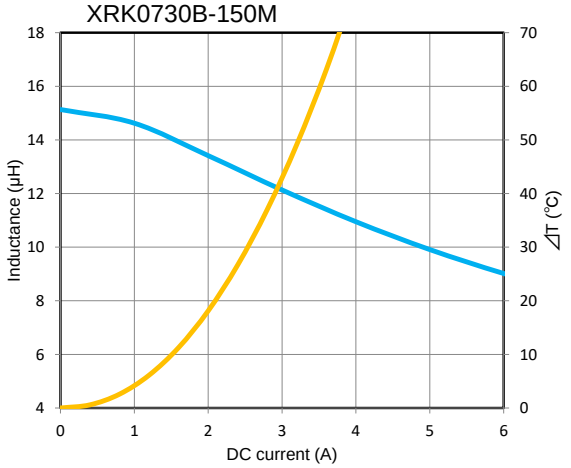

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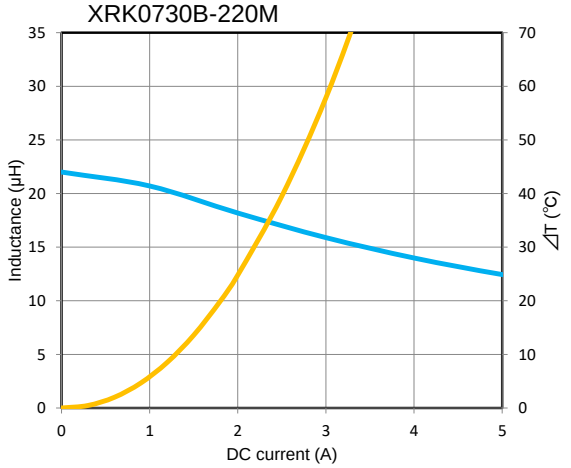
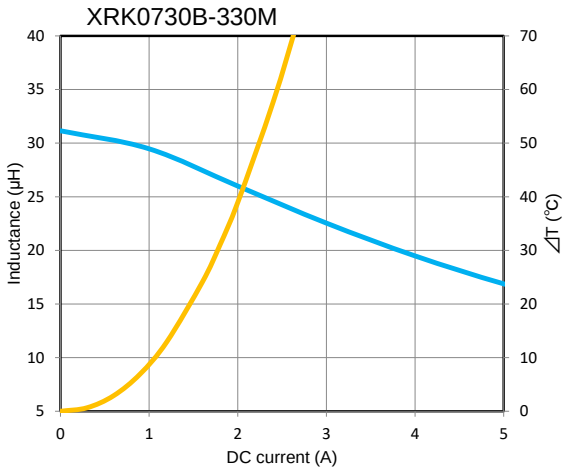


DC bias characteristics vs Temperature Rise Graph

L(25°C)　　⊿T