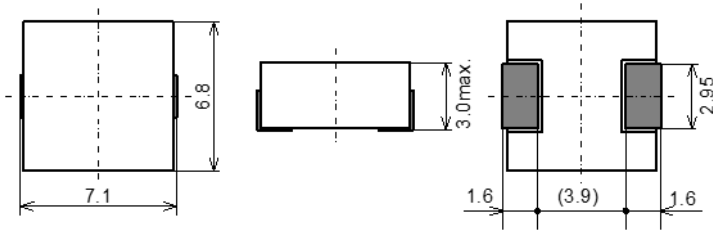
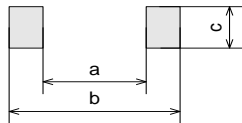


➤ Metal Power Inductor For Power Source (7mm x 3mm Automotive grade)

■ Dimensions (mm)



■ Recommended Land Pattern



Type	a	b	c
XRK0730A series	3.3	7.9	3.4

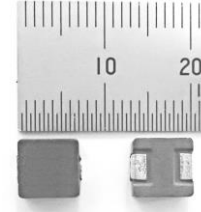
■ Features

- Metal composite type winding inductor made of metallic magnetic material suitable for power supply circuit
- High current, Low DCR, Realize miniaturization
- Magnetic shield, Low EMI
- Environmental temperature doesn't cause a lot of change in DC superposition characteristic
- Operating Temperature: -40 to +150°C (Including Self-heating)
- AEC-Q200 compliant, Lead Free, RoHS compliant

■ Application/用途

- Distributed Power System PDA / Note PCs / Desktop / Server application DC / DC converter
- DC/DC conversion circuits
- Large current POL(Point of Load) power supplies
- communications devices, medical devices, etc.
- compact power supply modules

■ Appearance



■ Specifications

Part Number	L(μH) ±20%	DC Resistance (mΩ)		DC saturation allowable current (A) ※ 1	Temperature rise allowable current (A) ※ 2
		typical	max.		
XRK0730A-R15M	0.15	1.5	1.75	36	18.5
XRK0730A-R22M	0.22	2.3	2.7	24	17
XRK0730A-R33M	0.33	3.5	4.0	19	14
XRK0730A-R47M	0.47	3.7	4.2	17	12
XRK0730A-R56M	0.56	4.7	5.2	14	10.3
XRK0730A-R68M	0.68	5.0	5.5	15	10
XRK0730A-R82M	0.82	6.7	8.0	14	8.5
XRK0730A-1R0M	1.0	9.0	10	13	7.9
XRK0730A-1R2M	1.2	9.3	10.2	11	7.8
XRK0730A-1R5M	1.5	14	15.5	11	6.6
XRK0730A-2R2M	2.2	18	20	10	5.7
XRK0730A-3R3M	3.3	28	30	9	4.9
XRK0730A-4R7M	4.7	37	40	8.8	4.1
XRK0730A-6R8M	6.8	54	60	6.4	3.5
XRK0730A-8R2M	8.2	64	68	5.6	3.1
XRK0730A-100M	10	70.5	77.6	4.4	3.0
XRK0730A-150M	15	118	127	4.0	2.2
XRK0730A-220M	22	135	149	3.4	2.0
XRK0730A-330M	33	220	242	2.3	1.6

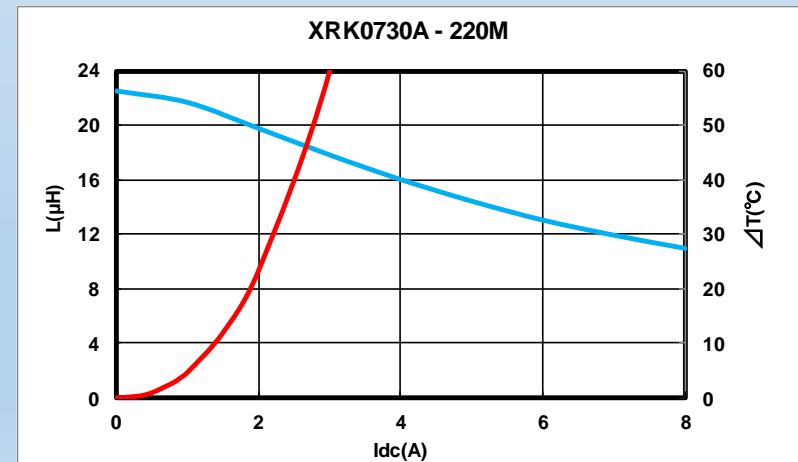
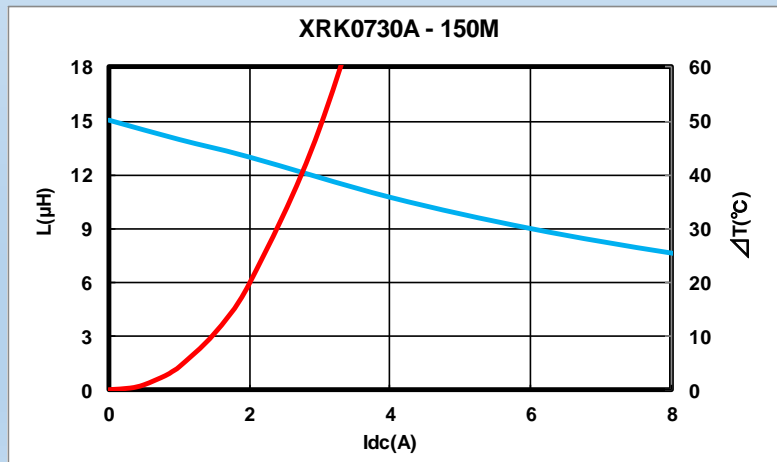
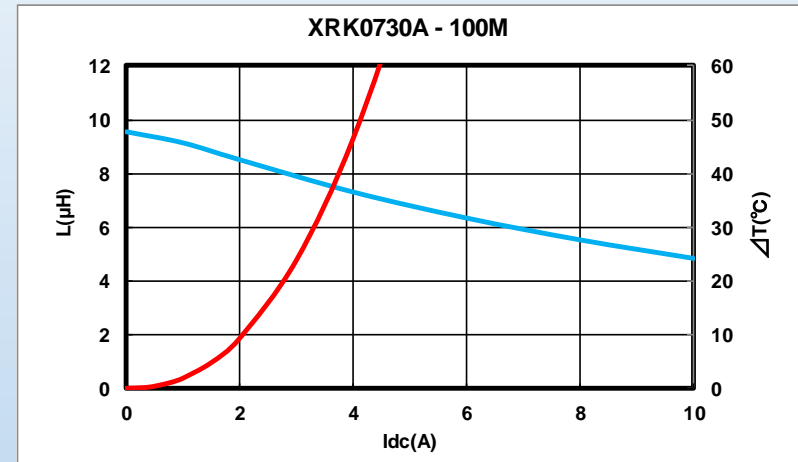
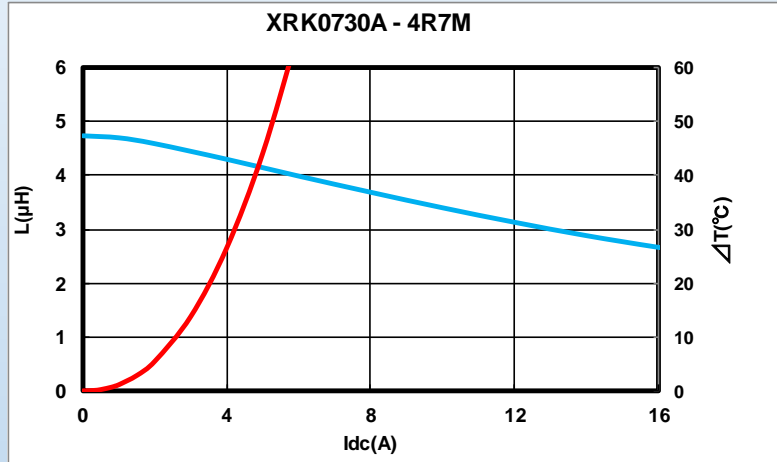
Measurement Frequency for Inductance : 100kHz

※1 DC Saturation allowable Current : This indicates the actual value of DC current when the inductance becomes 20% lower than its initial value.

※2 Temperature Rise current : The actual current when temperature of coil becomes ΔT=30°C (Ta=20°C)

■ Current Characteristic

- Inductance(20°C)
- Temp. Rise



■ Typical L vs Frequency

