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

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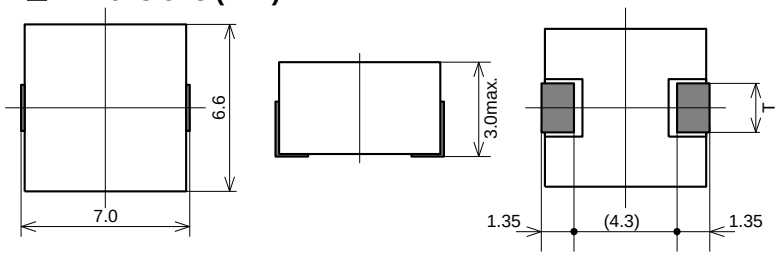
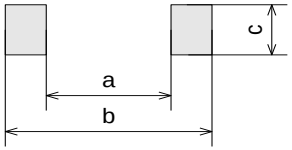
■ Dimensions (mm)



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

■ Recommended Land Pattern



a	b	c
3.6	8.0	3.1

■ Features

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

■ Application

- 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] typical	DC Resistance[mΩ] max	DC saturation allowable current [A]※1	Temperature rise allowable current [A]※2
XRK0730B-R15M	0.15	1.03	1.3	30	24
XRK0730B-R22M	0.22	1.8	2.3	32	18
XRK0730B-R33M	0.33	2.9	3.5	19	15
XRK0730B-R47M	0.47	3.7	4.14	17	13
XRK0730B-R56M	0.56	3.8	4.5	12	13
XRK0730B-R68M	0.68	4.8	5.5	13	12
XRK0730B-R82M	0.82	5.7	6.6	14	10
XRK0730B-1R0M	1.0	6.5	7.8	9	10
XRK0730B-1R2M	1.2	8.6	9.9	12	9
XRK0730B-1R5M	1.5	9.5	11.5	10	8.5
XRK0730B-2R2M	2.2	12.5	15.5	8.5	7
XRK0730B-3R3M	3.3	24.5	28.5	7.5	5
XRK0730B-4R7M	4.7	40.3	46.5	6.8	4
XRK0730B-6R8M	6.8	54	65	5.6	3.6
XRK0730B-8R2M	8.2	53	64	4.8	3.5
XRK0730B-100M	10	65	75	4.4	3.3
XRK0730B-150M	15	96	110	3.6	2.6
XRK0730B-220M	22	135	149	2.9	2
XRK0730B-330M	33	200	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℃（Ta=20℃）