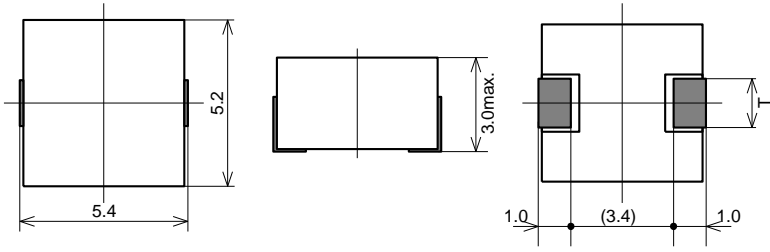


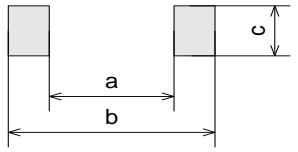
➤ Metal Power Inductor For Power Source (5.0mm x 3mm Automotive grade)

■ Dimensions (mm)



Inductance	T
0.22~0.35 μ H	1.5
0.2, 0.47~10 μ H	2.3

■ Recommended Land Pattern



a	b	c
2.7	6.4	2.5

■ 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°C(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[μ H] \pm 20%	DC Resistance[m Ω]		DC saturation allowable current [A]※1	Temperature rise allowable current [A]※2
		typical	max		
XR K0530B-R 20M	0.2	1.6	2.0	20	20.5
XR K0530B-R 22M	0.22	2.1	2.3	23	15.8
XR K0530B-R 33M	0.33	2.9	3.4	16	14
XR K0530B-R 35M	0.35	2.9	3.4	15	14
XR K0530B-R 47M	0.47	5.3	6.1	12	11
XR K0530B-R 68M	0.68	6.9	8.0	12	10
XR K0530B-R 75M	0.75	6.6	7.7	11.5	10
XR K0530B-1R 0M	1.0	10.0	11.4	8.5	8.4
XR K0530B-1R 5M	1.5	15.4	17.7	8.5	6.2
XR K0530B-2R 2M	2.2	20.0	23.0	6.4	5.5
XR K0530B-3R 3M	3.3	32.0	38.0	6.5	4.7
XR K0530B-4R 7M	4.7	41.0	47.0	6	4.1
XR K0530B-5R 6M	5.6	51.0	59.0	4.5	3.6
XR K0530B-6R 8M	6.8	61.0	70.0	4	3.3
XR K0530B-100M	10	90.0	108.0	2.3	2.8

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 $\Delta T=30^{\circ}C$ ($T_a=20^{\circ}C$)