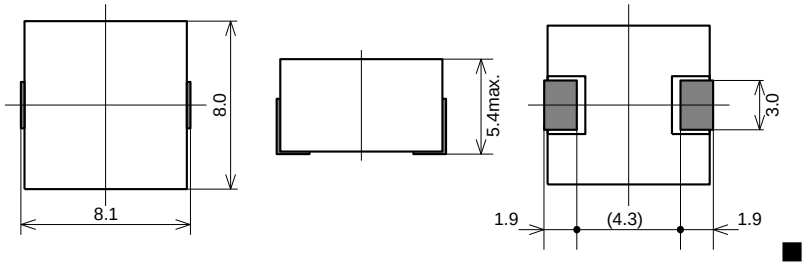
➢ Metal Power Inductor For Power Source (8mm x 5.4mm Automotive grade)

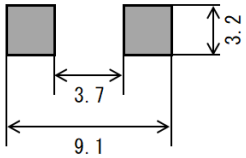
サガミエレク株式会社
SAGAMI ELEC CO., LTD.

■ Dimensions (mm)



■ Appearance

■ Recommended Land Pattern



■ 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

■ Specifications

Part Number	L[μH] ±20%	DC Resistance[mΩ] typical	max	DC saturation allowable current [A] ※1	Temperature rise allowable current [A] ※2
XRK0854B-1R0M	1.0	4	4.8	15	14
XRK0854B-2R2M	2.2	7	8.5	9.6	10.5
XRK0854B-3R3M	3.3	9	10	7.2	9.2
XRK0854B-4R7M	4.7	13	15.6	8	8
XRK0854B-100M	10	49	60	6.2	4
XRK0854B-150M	15	43	52	4.6	4
XRK0854B-220M	22	60.7	70	4	3.5
XRK0854B-330M	33	103	125	4	2.7
XRK0854B-470M	47	125	137	2.6	2.5
XRK0854B-680M	68	156	175	1.9	2.1

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℃）

⚠ The contents of this catalogue are subject to change without prior notice because of product improvement.