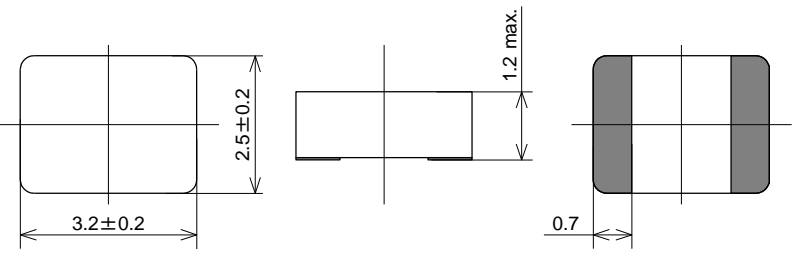


➤ Metal Power Inductor For Power Source (3.5mm x 1.2mm Commercial grade)

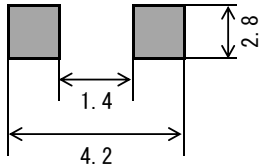
■ Dimensions (mm)



■ 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 +125°C(Including Self-heating)
- Lead Free、RoHS compliant

■ Specifications

Part Number	L[μH] ±20%	DC Resistance[mΩ]		DC saturation allowable current [A] ※1	Temperature rise allowable current [A] ※2
		typical	max		
XR K3225-R 15M	0.15	10	12	11.6	6.8
XR K3225-R 33M	0.33	13	16	9.5	5.8
XR K3225-R 47M	0.47	18	22	8.2	5.1
XR K3225-R 68M	0.68	22	26	6.1	4.4
XR K3225-1R 0M	1.0	26	32	4.8	3.8
XR K3225-1R 5M	1.5	39	48	3.9	3.1
XR K3225-2R 2M	2.2	55	68	3.4	2.6
XR K3225-3R 3M	3.3	86	108	2.6	2.0
XR K3225-4R 7M	4.7	127	157	2.3	1.6
XR K3225-6R 8M	6.8	170	220	2.0	1.3

■ 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

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)