

XRJ2520

New Products

RoHS

AEC-Q200



■ Features

- Realization of small size and high current specifications by metallic magnetic material.
- Low DCR, high saturation current
- Decreased acoustic noise by there are no air gaps.
- Low inductance variance in temperature environments.

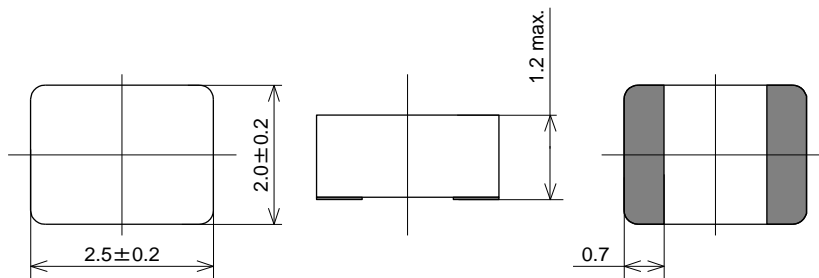
Operating Temperature Range : -40 °C~ +125 °C(include self-heating)

Weight : 0.04 g

■ Application

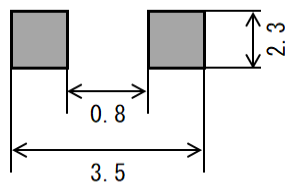
- Note PCs
- HDDs
- Servers
- VRMs
- Compact power supply modules
- Others

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



SAGAMI ELEC CO., LTD.
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⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR Resistance		DC saturation allowable current (A)	Teperature rise allowable current (A)
		(m Ω)			
		Typical	max.		
XRJ2520-R15M	0.15 \pm 20%	10.6	12.8	8.70	5.80
XRJ2520-R22M	0.22 \pm 20%	11.2	13.5	8.00	5.70
XRJ2520-R33M	0.33 \pm 20%	14.0	18.0	7.50	5.10
XRJ2520-R47M	0.47 \pm 20%	16.0	20.0	6.70	4.90
XRJ2520-R68M	0.68 \pm 20%	26.0	30.0	6.00	4.50
XRJ2520-1R0M	1 \pm 20%	32.0	40.0	5.50	4.10
XRJ2520-1R5M	1.5 \pm 20%	50.0	60.0	3.80	2.70
XRJ2520-2R2M	2.2 \pm 20%	70.0	84.0	3.50	2.60
XRJ2520-3R3M	3.3 \pm 20%	105.0	130.0	2.90	1.80
XRJ2520-4R7M	4.7 \pm 20%	165.0	200.0	2.10	1.50

- Inductance Measuring Condition : 100kHz,1V
- Rated current : DC saturation allowable current or Temperature rise allowable current,whichever is smaller.
 1. DC saturation allowable current : value of inductance decrease 30%.
 2. Temperature rise allowable current : A rise in temperature of core surface is 40°C.



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DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT

