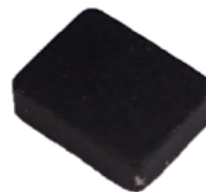


XRJ3225L

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.

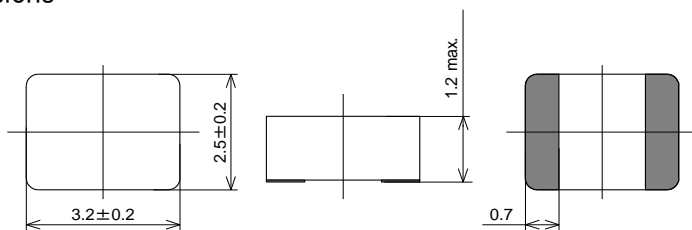
Operating Temperature Range : -40 °C~ +125 °C(include self-heating)

Weight : 0.06 g

■ Application

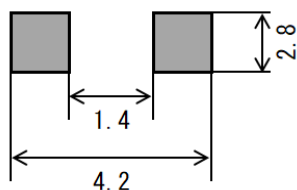
- Note PCs
- HDDs
- Servers
- VRMs
- Compact power supply modules
- Others

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



SAGAMI ELEC CO., LTD.
<https://www.sagami-elec.co.jp>

10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp
Engineering Dept. TEL : +81 45 521 4543

⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR Resistance		DC saturation allowable current (A)	Teperature rise allowable current (A)
		(m Ω)			
		Typical	max.		
XRJ3225L-R15M	0.15 \pm 20%	10.0	12.0	11.6	6.80
XRJ3225L-R22M	0.22 \pm 20%	12.5	15.0	10.0	6.00
XRJ3225L-R33M	0.33 \pm 20%	13.0	16.0	9.50	5.80
XRJ3225L-R47M	0.47 \pm 20%	18.0	22.0	8.20	5.10
XRJ3225L-R68M	0.68 \pm 20%	22.0	26.0	6.10	4.40
XRJ3225L-1R0M	1 \pm 20%	26.0	32.0	4.80	3.80
XRJ3225L-1R5M	1.5 \pm 20%	39.0	48.0	3.90	3.10
XRJ3225L-2R2M	2.2 \pm 20%	55.0	68.0	3.40	2.60
XRJ3225L-3R3M	3.3 \pm 20%	86.0	108.0	2.60	2.30
XRJ3225L-4R7M	4.7 \pm 20%	127.0	150.0	2.30	2.00
XRJ3225L-6R8M	6.8 \pm 20%	170.0	220.0	2.00	1.30

- 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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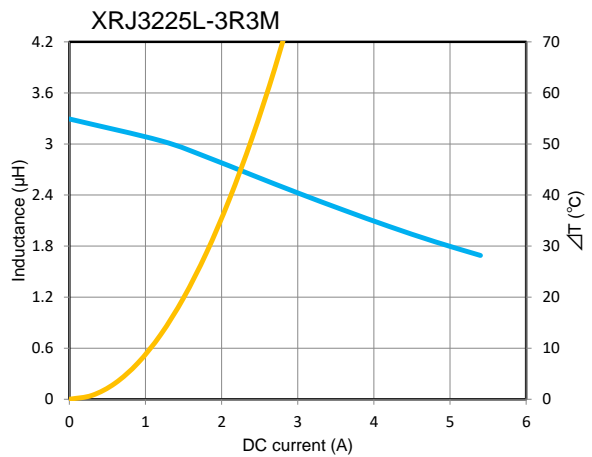
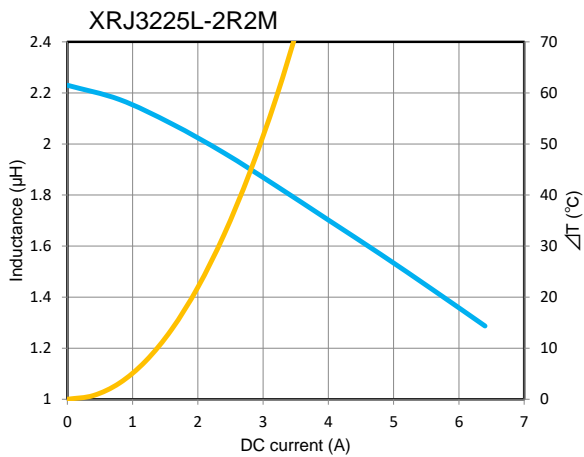
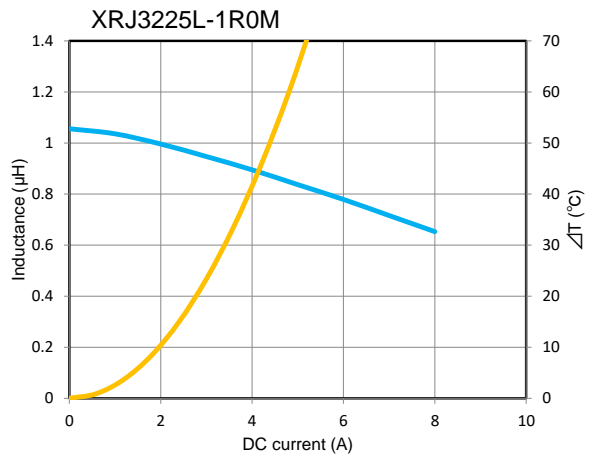
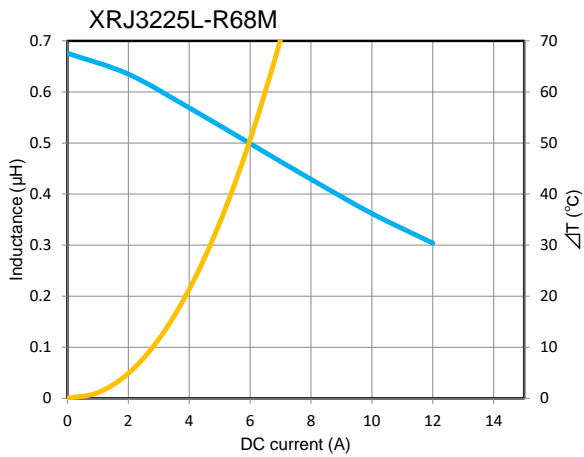
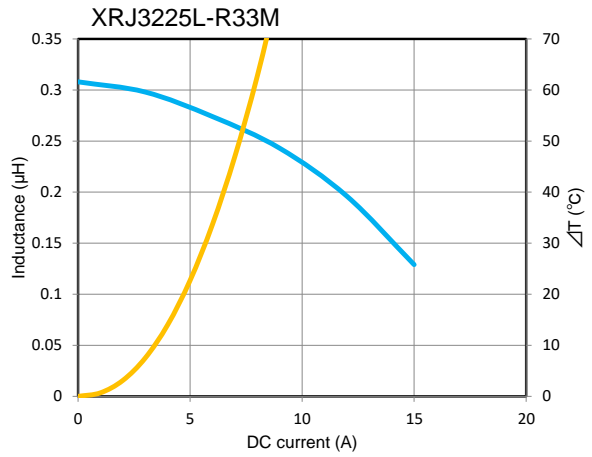
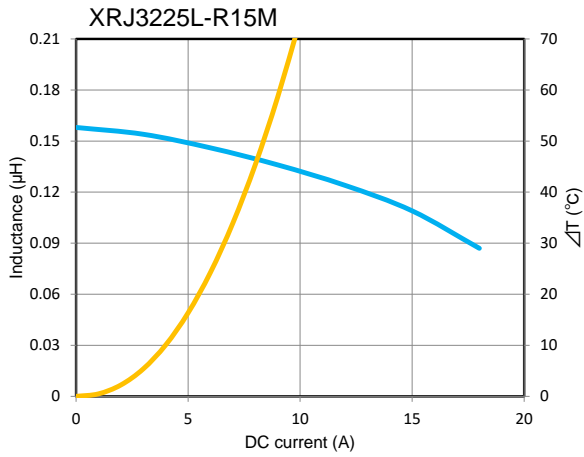
DC bias characteristics vs Temperature Rise Graph



L(25°C)



ΔT



DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT

