XRJ3225M

New Products

RoHS

AEC-Q200

■ Features

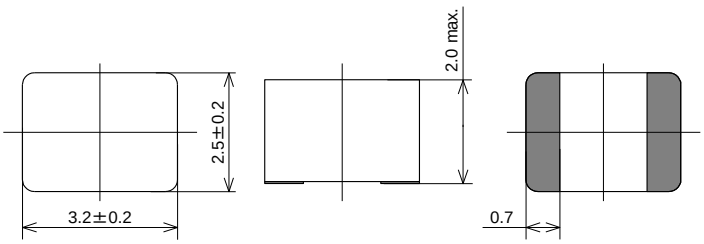
- Realization of small size and high current specifications by metallic magnetic material.
- Low DCR, high saturation current
- Decreased acoustic noise by there are no air gaps.
- Low inductance variance in temperature environments.

Operating Temperature Range : -40 ℃～ +125 ℃(include self-heating)　　Weight : 0.1 g

■ Application

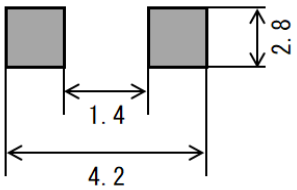
- Note PCs
- HDDs
- Servers
- VRMs
- Compact power supply modules
- Others

■ 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.

(2023. 11)

■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR Resistance (mΩ)		DC saturation allowable current (A)	Teperature rise allowable current (A)
		Typical	max.		
XRJ3225M-2R2M	2.2 ±20%	40.0	46.0	5.00	3.20
XRJ3225M-3R3M	3.3 ±20%	57.0	65.0	4.20	2.80
XRJ3225M-6R8M	6.8 ±20%	135.0	155.0	2.30	1.70
XRJ3225M-8R2M	8.2 ±20%	191.0	220.0	2.00	1.40
XRJ3225M-100M	10 ±20%	195.0	229.0	1.70	1.40
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

・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℃.

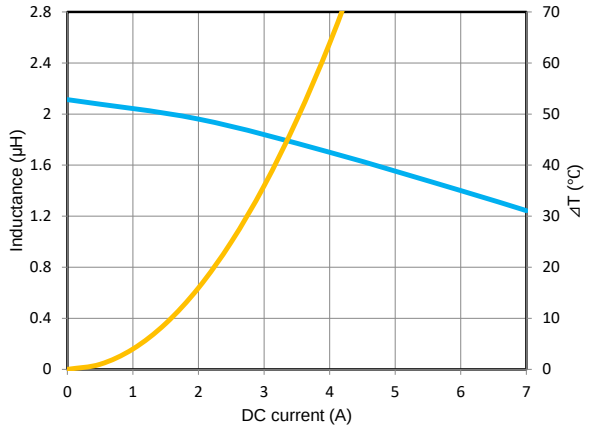
SAGAMI ELEC CO., LTD.
https://www.sagami-elec.co.jp
10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp
Engineering Dept. TEL : +81 45 521 4543

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

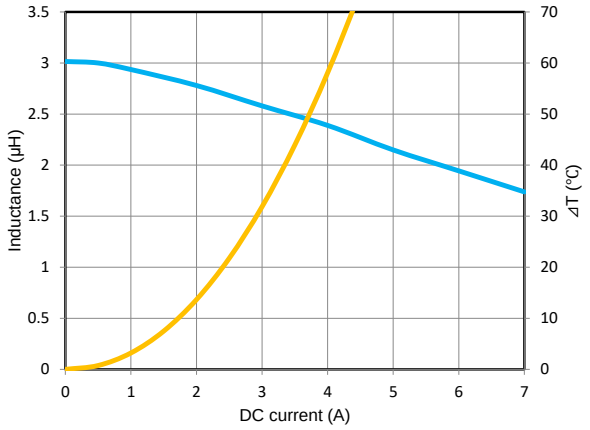
DC bias characteristics vs Temperature Rise Graph

L(25℃)　　⊿T

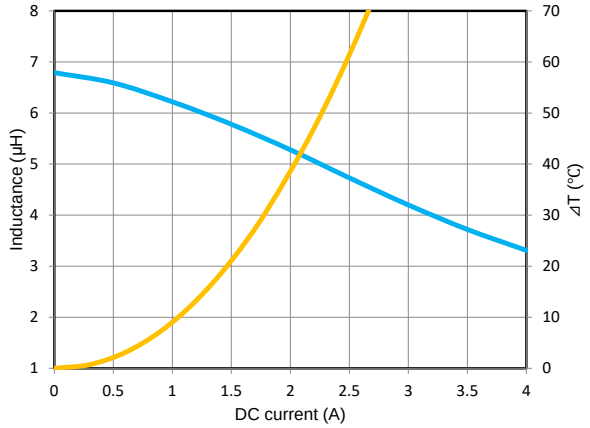
XRJ3225M-2R2M



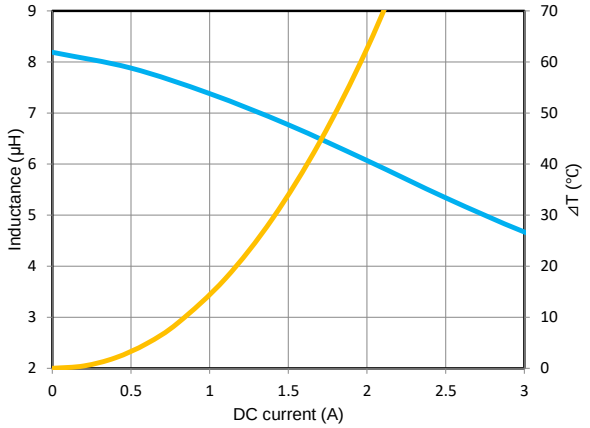
XRJ3225M-3R3M



XRJ3225M-6R8M



XRJ3225M-8R2M



XRJ3225M-100M