

XRJ2016

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.

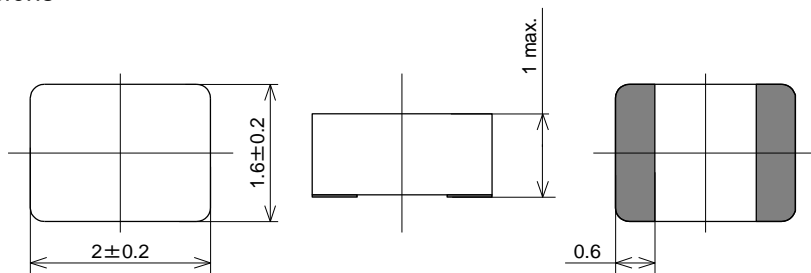
Operating Temperature Range : -40 °C~ +125 °C(include self-heating)

Weight : 0.02 g

■ Application

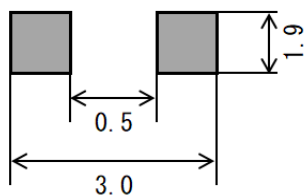
- Note PCs
- HDDs
- Servers
- VRMs
- Compact power supply modules
- Others

■ 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.		
XRJ2016-R15M	0.15 \pm 20%	11.5	14.0	7.50	5.40
XRJ2016-R24M	0.24 \pm 20%	14.0	17.0	6.80	5.00
XRJ2016-R33M	0.33 \pm 20%	19.0	23.0	5.10	4.20
XRJ2016-R47M	0.47 \pm 20%	20.0	25.0	5.00	4.70
XRJ2016-R56M	0.56 \pm 20%	29.0	35.0	3.80	3.60
XRJ2016-R68M	0.68 \pm 20%	33.0	40.0	3.60	3.40
XRJ2016-1R0M	1 \pm 20%	40.0	48.0	3.80	3.40
XRJ2016-1R5M	1.5 \pm 20%	66.0	80.0	2.80	2.30
XRJ2016-2R2M	2.2 \pm 20%	100.0	120.0	2.70	1.70
XRJ2016-3R3M	3.3 \pm 20%	208.0	250.0	2.00	1.20

- 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.



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°C) ■ ΔT

