

XRJ0431F

NEW

AEC-Q200



■ Features

- Realization of small size and high current specifications by metallic magnetic material.
- Achieved high-quality sound with oxygen-free copper wire (OFC)
- Decreased acoustic noise due to the absence of air gaps.
- Low inductance variation across temperature ranges.
- Operating temperature : -40°C~+125°C(The self-heating is included)
- Withstand Voltage:40V

Magnetic structure :

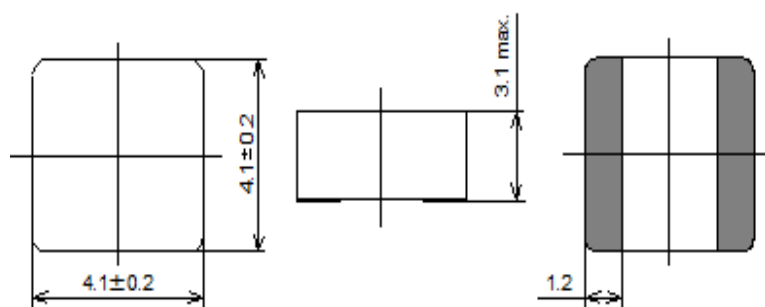
Mold

Weight : 0.337 g

■ Applications

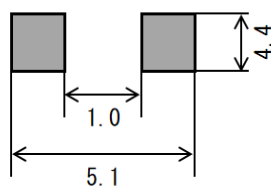
- Audio Visual/TV and Monitor,Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio,Car Navigation
- Home Electronics/Games
- Others/Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR (m Ω)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
XRJ0431F-3R3M	3.3 $\pm$ 20%	23.5	19.6	8.30	5.60

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease 30% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is 40°C



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DC bias characteristics vs Temperature Rise Graph

