

1255AY-330M#

“#” at the end indicates the package specification code.

● In Production

Wire Wound Ferrite Inductor for Power Lines

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1255AY-330M=P3

Applications

Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<u>Consumer equipment, Industrial equipment except for transportation & facility & energy equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector</u> Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Consumer equipment

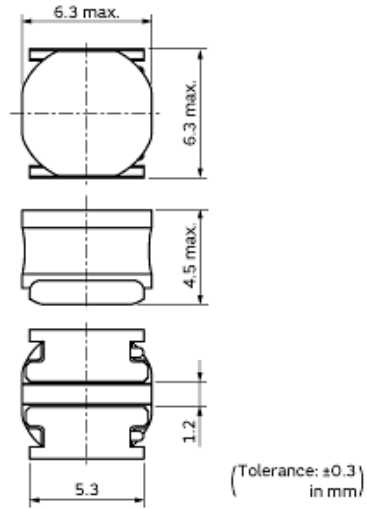
Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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Appearance & Shape



Length	6mm ±0.3mm
Width	6mm ±0.3mm
Thickness	4.5mm
Size code in mm(inch)	6060/2424

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Specifications

Inductance	33μH ±20%
Inductance Test Frequency	0.1MHz
Rated Current (Temperature Rise) / Max.	1.5A
Rated Current (Temperature Rise) / Typ.	1.9A
Rated Current (L Change) / Max.	1.7A
Rated Current (L Change) / Typ.	2.2A
DC Resistance(max.)	0.174Ω
DC Resistance	0.145Ω ±20%
Operating Temperature	-40 ~ 85°C
Type of magnetic shield	Shielded (Magnetic Resin)
Series	DG6045C
Brand	Murata
Soldering Support	Reflow soldering

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Notices

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%.
Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current.

References

Packaging	Specifications 	Standard Packing Quantity
=P3	330Embossed Tape	1500

Mass(Typ.)	
1 piece	0.562g

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Basic

L-Current

Temp.rise

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Frequency Characteristic

L

Q

|Z|

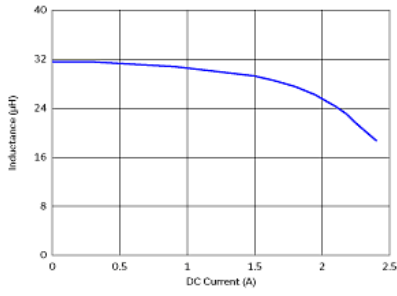
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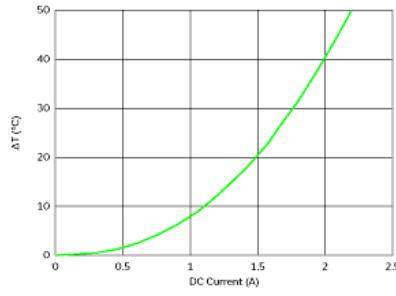
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Product Data



Impedance - Current Characteristics



Temperature Increase Characteristic

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