

DFE252012P-3R3M#

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

● In Production

Metal alloy Power Inductor

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DFE252012P-3R3M=P2

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

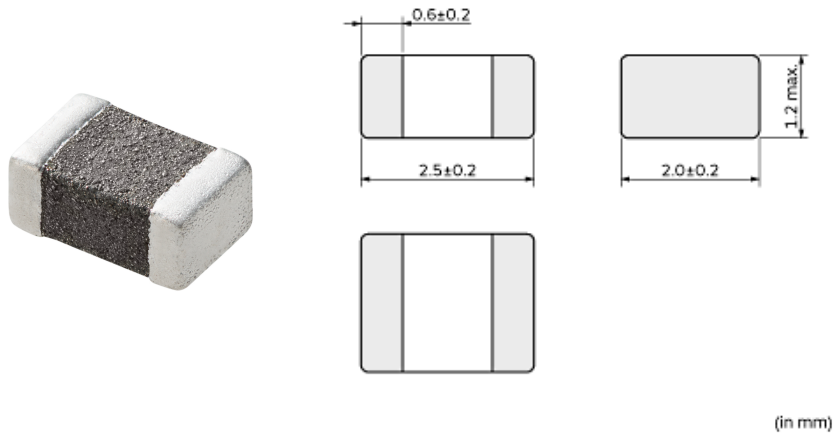
Attention

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	2.5mm ±0.2mm
Width	2mm ±0.2mm
Thickness	1.2mm
Size code in mm(inch)	2520/1008

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Specifications

Inductance	3.3μH ±20%
Inductance Test Frequency	1MHz
Rated Current (Temperature Rise) / Max.	1,700mA
Rated Current (L Change) / Max.	2,300mA
DC Resistance(max.)	0.14Ω
Operating Temperature	-40 ~ 125°C
Type of magnetic shield	Shielded (Metal Alloy)
Absolute voltage	20Vdc
Series	DFE252012P
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
=P2	180Embossed Tape	3000

Mass(Typ.)	
1 piece	0.0284g

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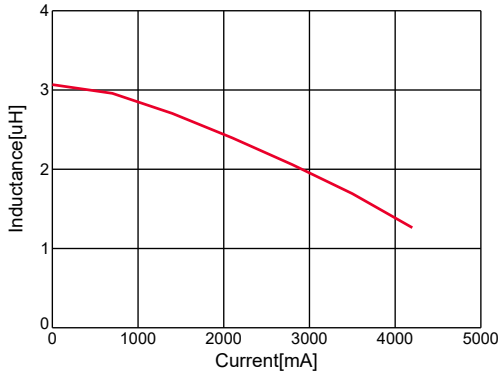
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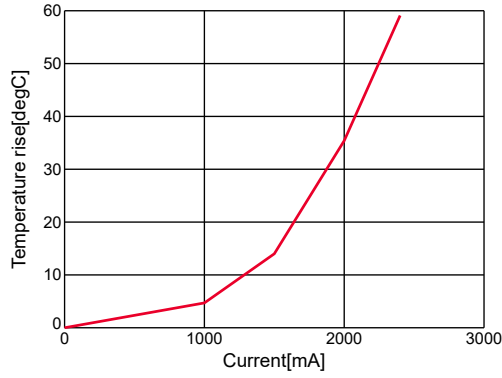
Basic

L-Current



DFE252012P-3R3M#,L-Current,20degC

Temp.rise



DFE252012P-3R3M#,Temp. rise,

Attention

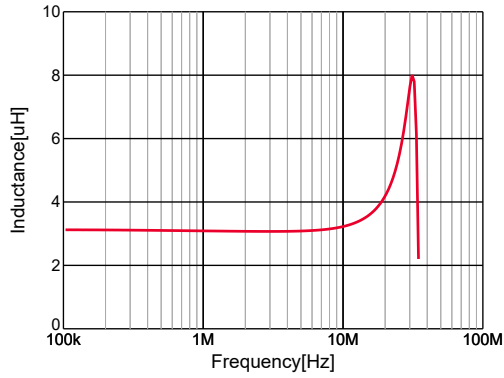
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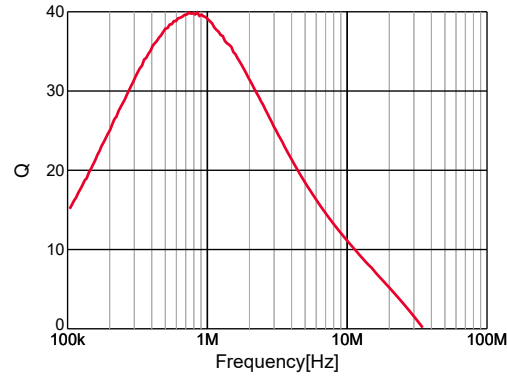
Frequency Characteristic

L



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Q



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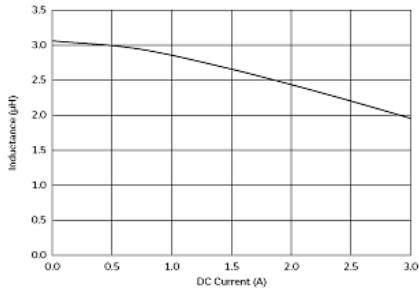
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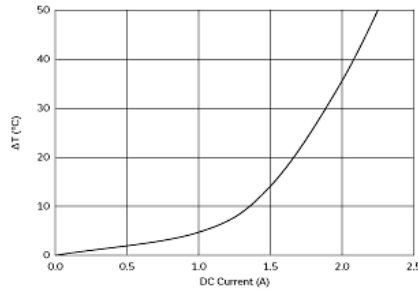
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Product Data



Impedance - Current Characteristics



Temperature Increase Characteristic

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