

DFE2HCAH2R2MJ0#

“#” indicates a package specification code.



< List of part numbers with package codes >
DFE2HCAH2R2MJ0L

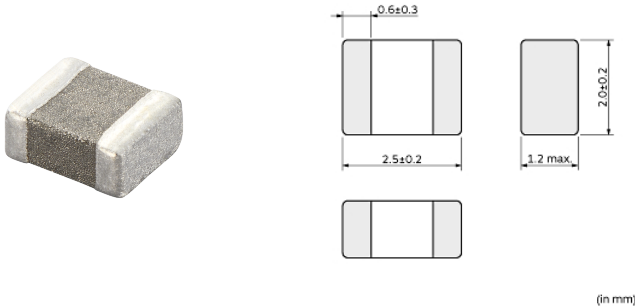
Applications

Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment 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.
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Notices

Rated current (I_{sat}) is specified when the decrease of the initial inductance value at 30%. Rated current (I_{temp}) is specified when temperature of the inductor is raised 40°C by DC current. Keep the temperature (ambient temperature plus self-generation of heat) under 150°C. It can be considered for use with DCDC converters with a maximum voltage of 40 V or less.

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
L	180 Embossed Tape	3000
Mass (typ.)		
1 piece	0.0324g	

Attention
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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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Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	1.2mm
Size code inch (mm)	1008 (2520)
Inductance	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2.5A
Rated current (Itemp) (Based on Temperature rise)	1.9A
Max. of DC resistance	0.101Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 150°C
Class of magnetic shield	Metal Alloy
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 110°C
Brand	Murata
Series	DFE2HCAH_J0

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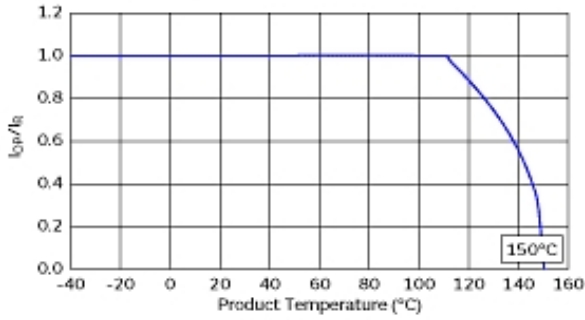
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Notice For General

Max. current (DC, AC) as function of product temperature (derating curve).

Derating of Rated Current



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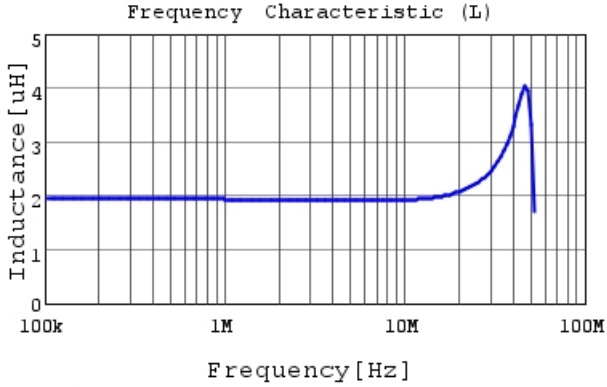
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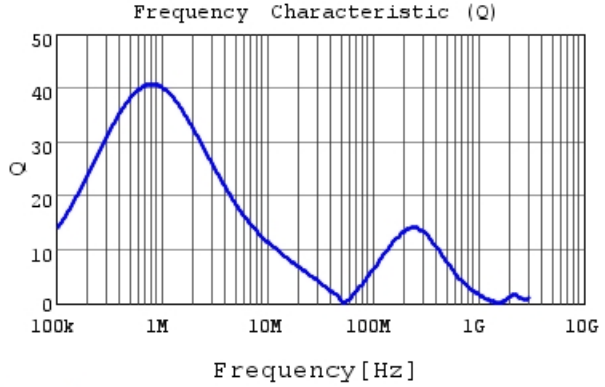


Characteristic Data

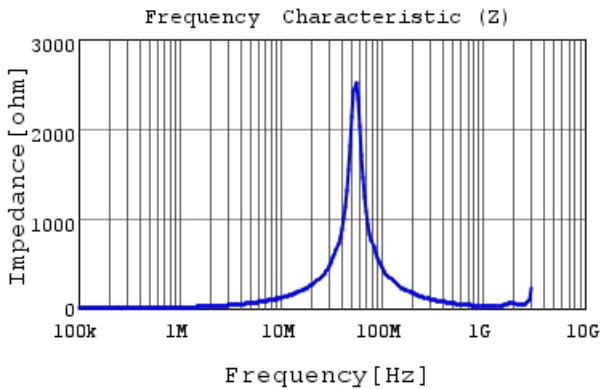
The charts below may show another part number which shares its characteristics.



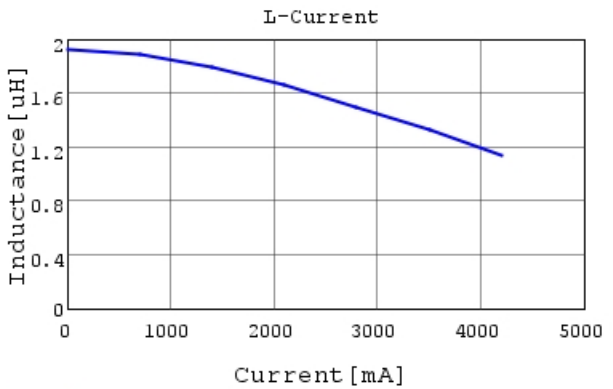
DFE2HCAH2R2MJ0 L



DFE2HCAH2R2MJ0 Q



DFE2HCAH2R2MJ0 |Z|



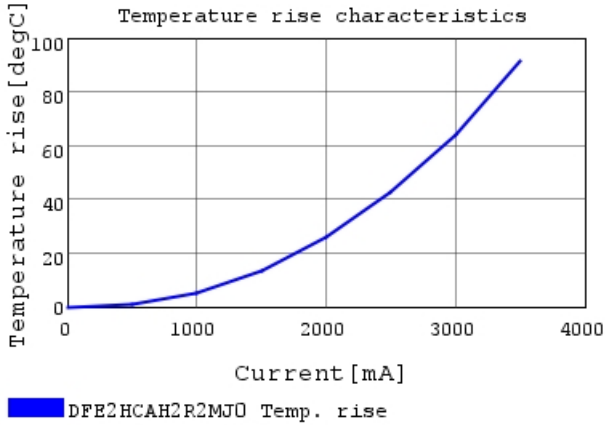
DFE2HCAH2R2MJ0 L-Current 20degC

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