

DFE2MCAHR68MJ0#

Note: This datasheet may be out of date.

Please download the latest datasheet of DFE2MCAHR68MJ0# from the official website of Murata Manufacturing Co., Ltd.

<http://www.murata.com/en-us/products/productdetail?partno=DFE2MCAHR68MJ0%23>

“#” indicates a package specification code.

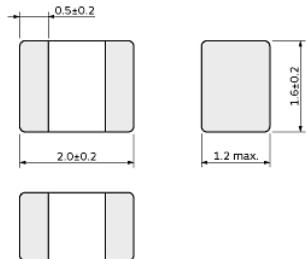
In Production



< List of part numbers with package codes >

DFE2MCAHR68MJ0L

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.0188g

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. 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.

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Specifications

L size	2.0±0.2mm
W size	1.6±0.2mm
T size	1.2mm
Size code inch (mm)	0806 (2016)
Inductance	0.68μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	3.1A
Rated current (Itemp) (Based on Temperature rise)	3A
Max. of DC resistance	0.042Ω
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
Series	DFE2MCAH_J0

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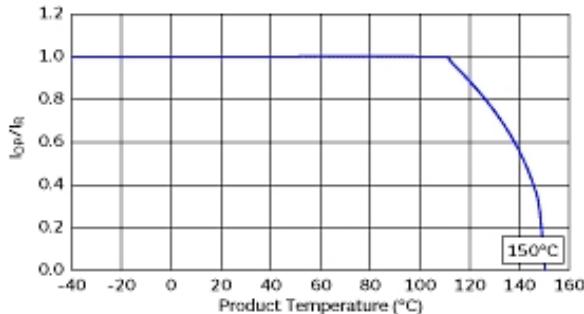
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Notice For General

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

Derating of Rated Current



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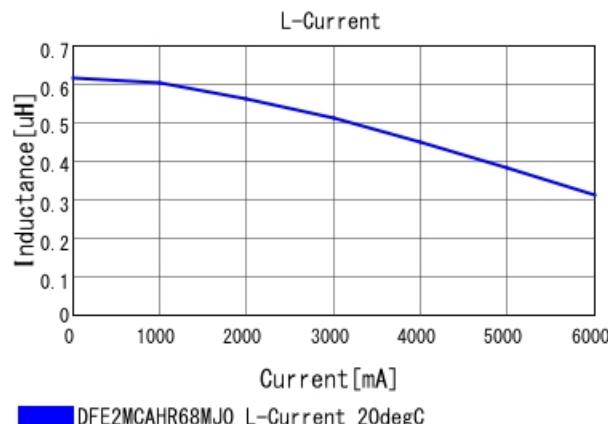
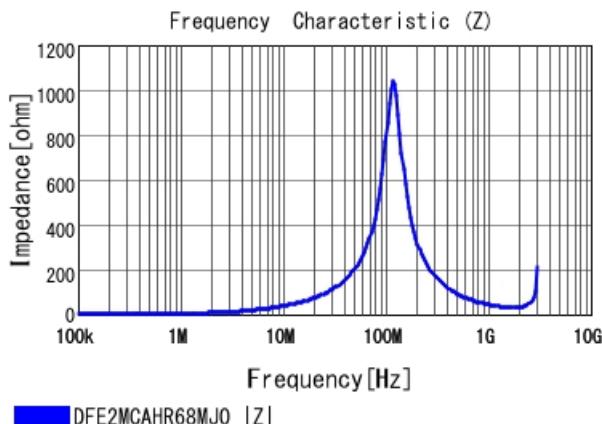
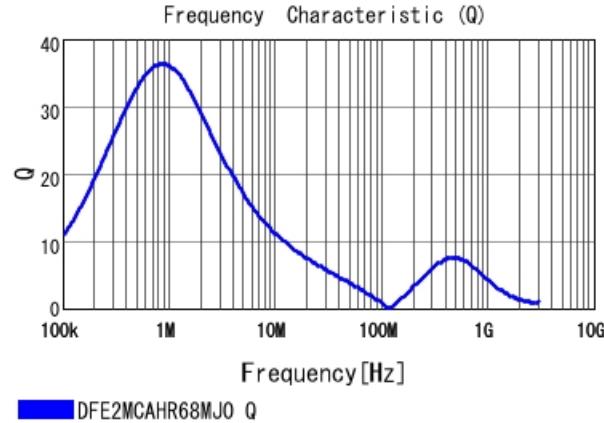
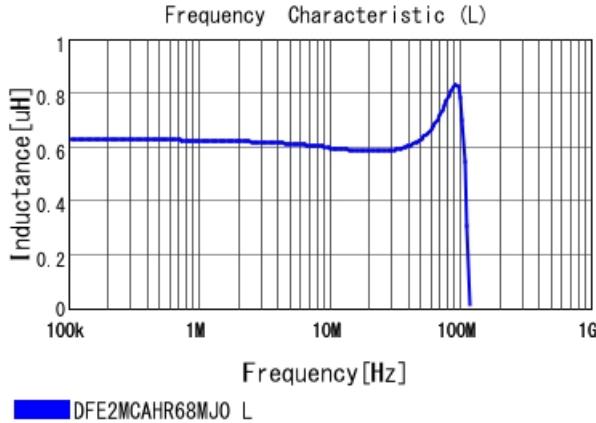
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Characteristic Data

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



Attention

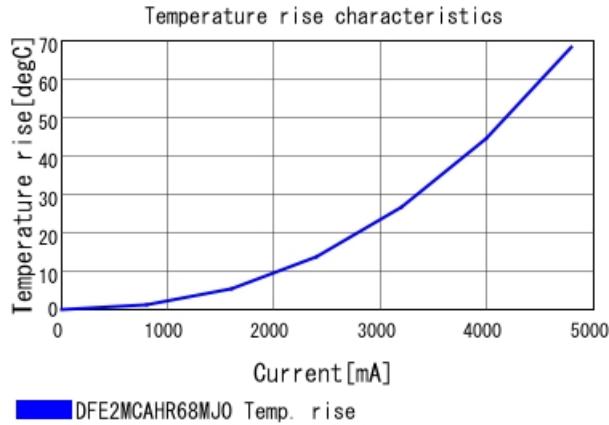
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