

Note: This datasheet may be out of date.

Please download the latest datasheet of DFE2MCAH1R0MJ0# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=DFE2MCAH1R0MJ0%23

"#"at the end indicates the package specification code.















< List of part numbers with package codes > DFE2MCAH1R0MJ0L



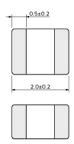
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment, Automotive	
	infotainment/comfort equipment,	
	Automotive powertrain/safety equipment,	
	Medical equipment [GHTF A/B/C]	
	except for implant & surgery & auto	
	injector,Industrial Equipment	
Specific	Please refer to Our Website and	
Applications	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	Automotive powertrain/safety equipment	
Applications		



Appearance & Shape







(in mm)



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.



References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.0188g

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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	1µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2.5A(Max.) / 3.1A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	2.4A(Max.) / 3A(Typ.)
Max. of DC resistance	0.068Ω
DC resistance	0.057Ω(Typ.)
Operating Temperature Range (Self-temperature rise is included)	-40°C to 150°C
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 110°C
Class of magnetic shield	Shielded (Metal Alloy)
Brand	Murata
Series	DFE2MCAH_J0

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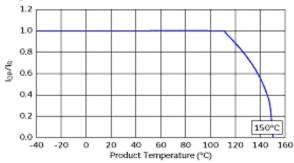
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Notice For General

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

Derating of Rated Current



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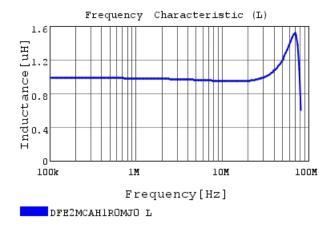
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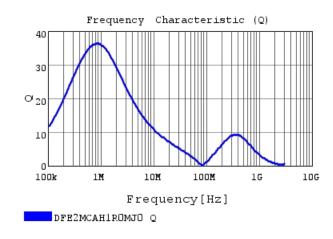
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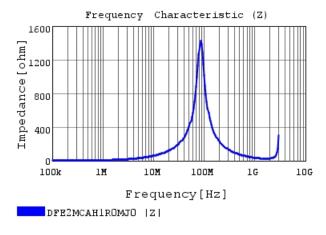


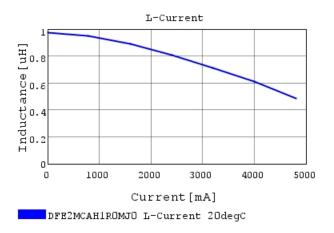
Characteristic Data

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









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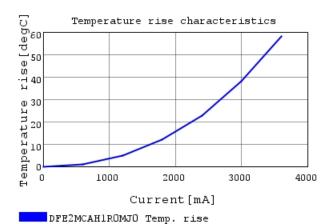


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