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Product Search Data Sheet

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Please download the latest datasheet of DFE252012F-1R0M# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=DFE252012F-1R0M%23

DFE252012F-1R0M=P2

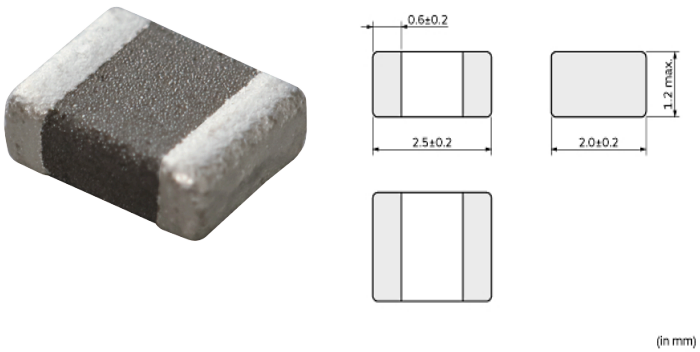
"#" indicates a package specification code.

In Production | General | RoHS | REACH | 125 °C max. | Wound (Metal) | Reflow OK

< List of part numbers with package codes >

DFE252012F-1R0M=P2

Appearance & Shape



(in mm)

References

Packaging	Specifications	Standard Packing Quantity
=P2	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.0331g

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.

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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Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	1.2mm
Size code inch (mm)	1008 (2520)
Inductance	1μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	4700mA
Rated current (Itemp) (Based on Temperature rise)	3300mA
Max. of DC resistance	0.04Ω
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	20Vdc
Series	DFE252012F

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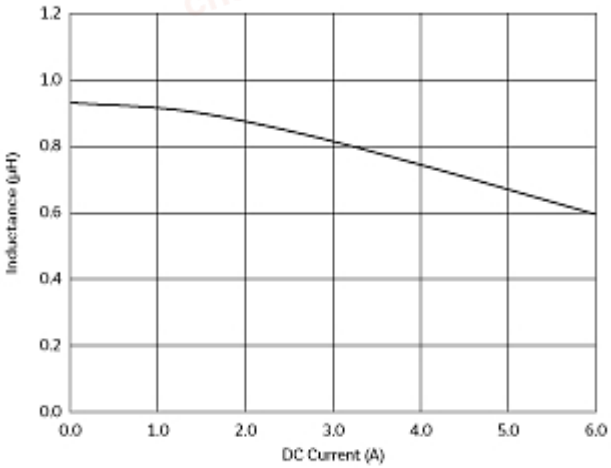
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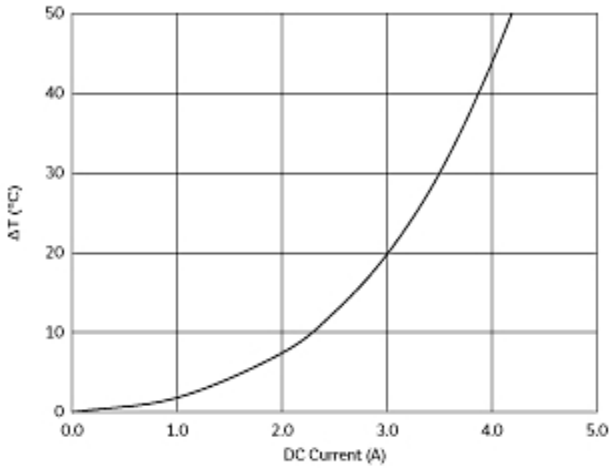
DFE252012F-1R0M=P2

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Characteristic Data



Impedance - Current Characteristics



Temperature Increase Characteristic

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