muRata INNOVATOR IN ELECTRONICS

Product Search Data Sheet

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Please download the latest datasheet of DFE252012PD-2R2M# from the official website of Murata

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DFE252012PD-2R2M#
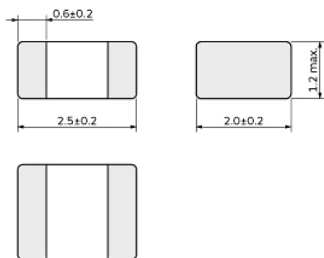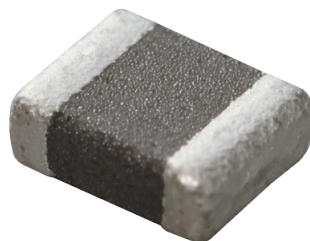
"#"at the end indicates the package specification code.

In Production | AEC-Q200 | RoHS | REACH | 125℃max. | Wound (Metal) | Reflow OK

< List of part numbers with package codes >

DFE252012PD-2R2M=P2

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Automotive infotainment/comfort equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy 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.
Recommended Applications	Automotive infotainment/comfort equipment

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

Appearance & Shape

0.6±0.2
2.5±0.2
2.0±0.2
1.2 max.

(in mm)

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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)	2.8A(Max.) / 3.3A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	2.2A(Max.) / 2.6A(Typ.)
Max. of DC resistance	0.084Ω
DC resistance	0.07Ω(Typ.)
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Class of magnetic shield	Shielded (Metal Alloy)
Absolute maximum voltage	20Vdc
Brand	Murata
Series	DFE252012P_D

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2.This datasheet has only typical specifications because there is no space for detailed specifications.

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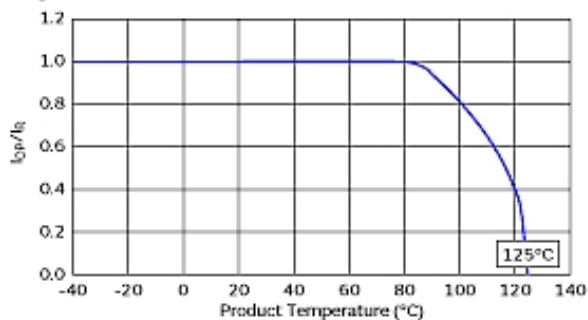
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Notice For General

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

Derating of Rated Current

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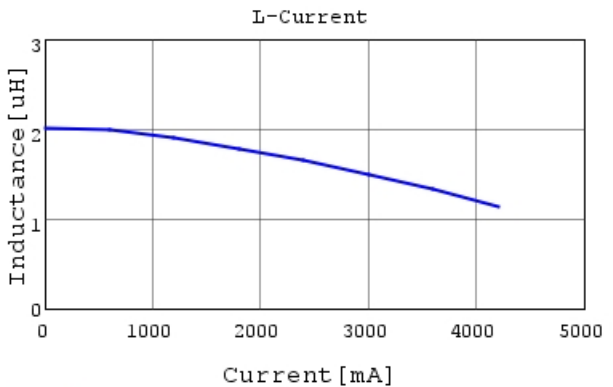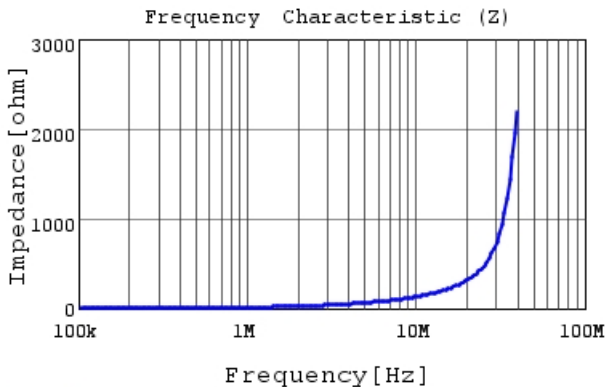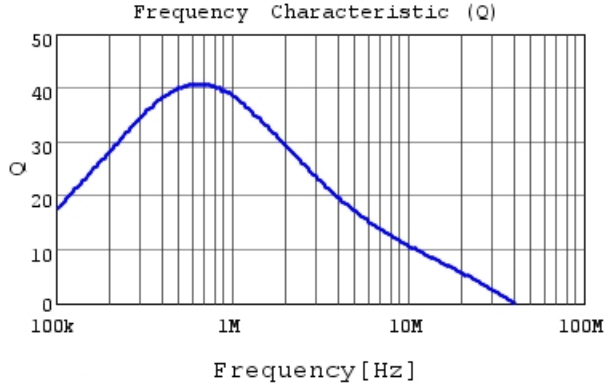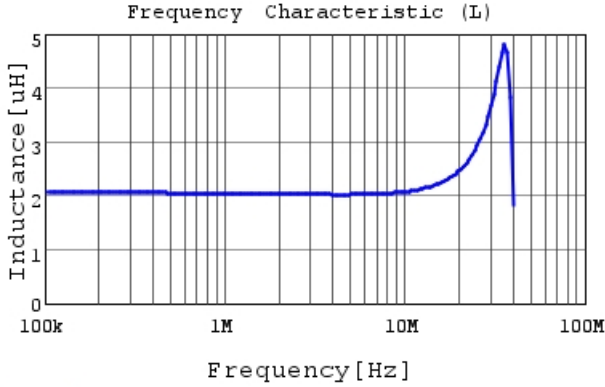
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Characteristic Data

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

Frequency Characteristic (L)

■ DFE252012PD-2R2M L

Frequency Characteristic (Q)

■ DFE252012PD-2R2M Q

Frequency Characteristic (Z)

■ DFE252012PD-2R2M |Z|

L-Current
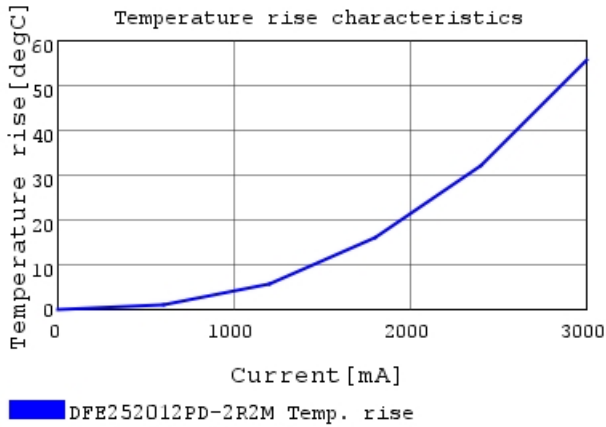
■ DFE252012PD-2R2M L-Current 20degC

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Temperature rise characteristics

DFE252012PD-2R2M Temp. rise