

DFE252012PD-4R7M#

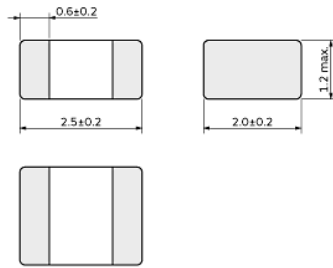
“#” indicates a package specification code.



< List of part numbers with package codes >

DFE252012PD-4R7M=P2

Appearance & Shape



(in mm)

References

Packaging	Specifications	Minimum Order Quantity
=P2	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.0284g

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.

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.
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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	4.7μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1900mA
Rated current (Itemp) (Based on Temperature rise)	1400mA
Max. of DC resistance	0.2Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	20Vdc
Series	DFE252012P_D

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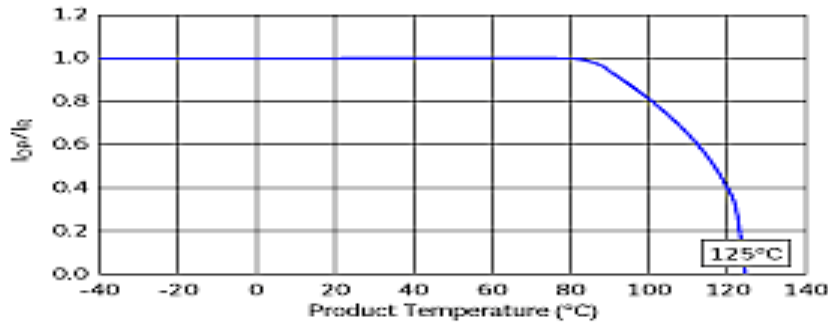
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Notice For General

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

Derating of Rated Current



Attention

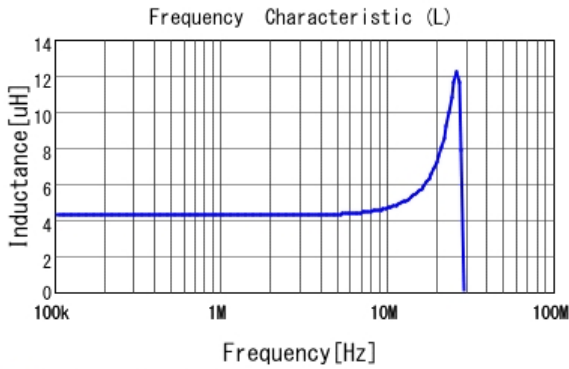
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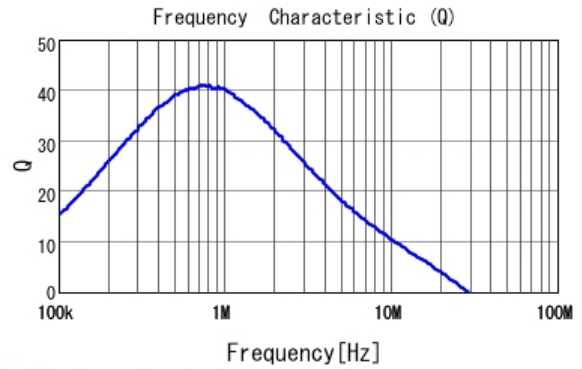
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Characteristic Data

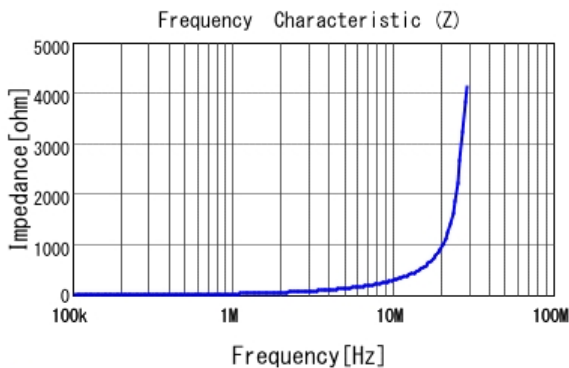
The charts below may show another part number which shares its characteristics.



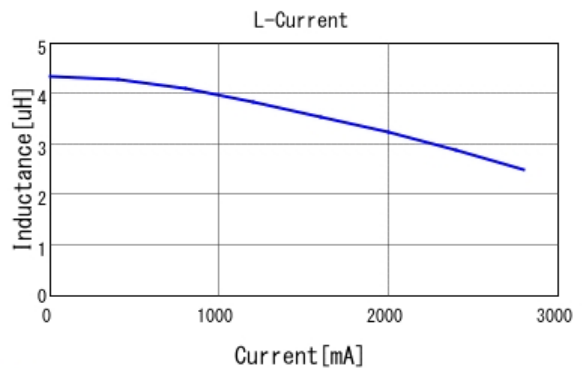
DFE252012PD-4R7M L



DFE252012PD-4R7M Q



DFE252012PD-4R7M |Z|



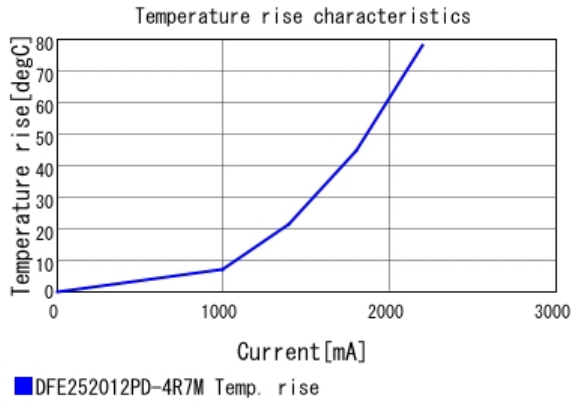
DFE252012PD-4R7M L-Current 20degC

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