

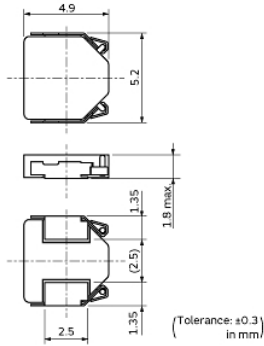
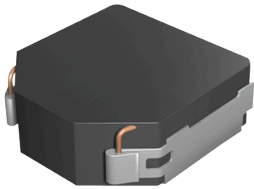
FDSD0518-H-1R0M#

“#” indicates a package specification code.



< List of part numbers with package codes >
FDSD0518-H-1R0M=P3

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
=P3	330Embossed Tape	2000

Mass (typ.)	
1 piece	0.2437g

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

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
- 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	5.2±0.3mm
W size	4.9±0.3mm
T size	1.8mm
Size code inch (mm)	2019 (5249)
Inductance	1μH±20%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	8700mA
Rated current (Itemp) (Based on Temperature rise)	6100mA
Max. of DC resistance	0.021Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30Vdc
Brand	Murata
Series	FDSD0518

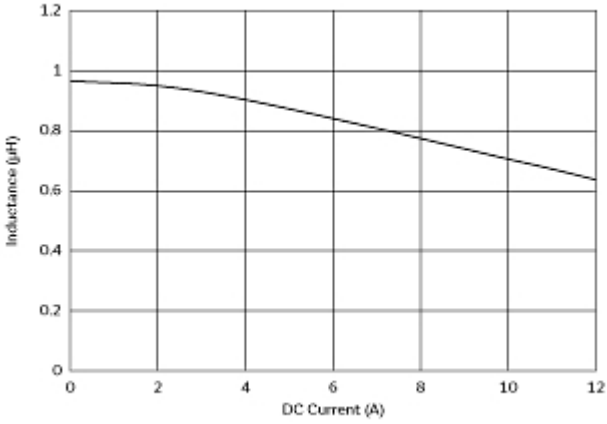
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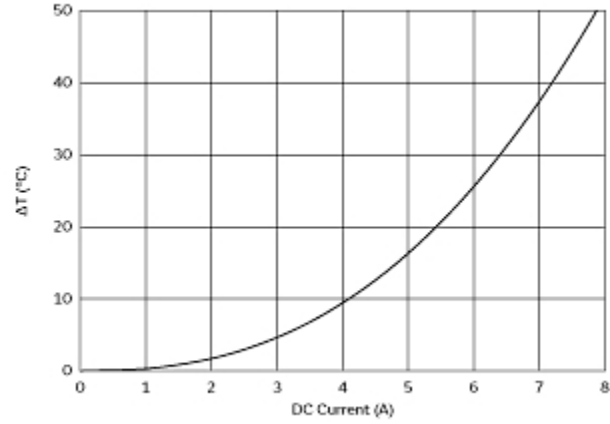
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Characteristic Data



Impedance - Current Characteristics



Temperature Increase Characteristic

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