

FDSD0512-H-1R0M#

#" indicates a package specification code.

In Production

General

125 °C max.

Wound (Metal)

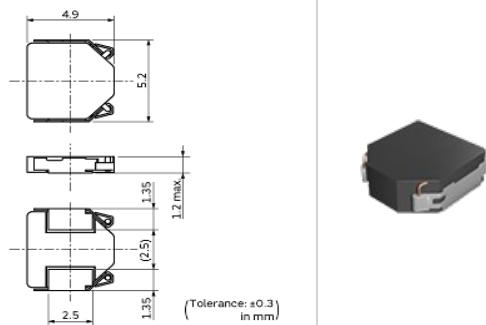
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RoHS REACH

< List of part numbers with package codes >

FDSD0512-H-1R0M=P3

Shape



L size	5.2 ±0.3mm
W size	4.9 ±0.3mm
T size	1.2 mm
Size code in inch (mm)	2019 (5249)

Specifications

Inductance	1.0µH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	6100mA
Rated current (Itemp) (Based on Temperature rise)	4000mA
Max. of DC resistance	0.044Ω
Operating temperature range (Self-temperature rise is included)	-40~125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDSD0512

Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C.)
 Rated current (Itemp) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 20°C.)

References

Packaging code	Specifications	Minimum quantity
=P3	Φ330mm Embossed taping	4000

Mass (Typ.)	
1 piece	0.155g

Attention

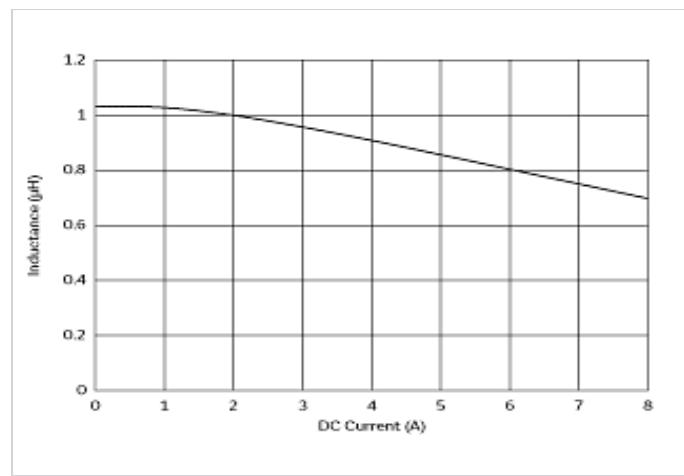
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2. This datasheet has only typical specifications because there is no space for detailed specifications.

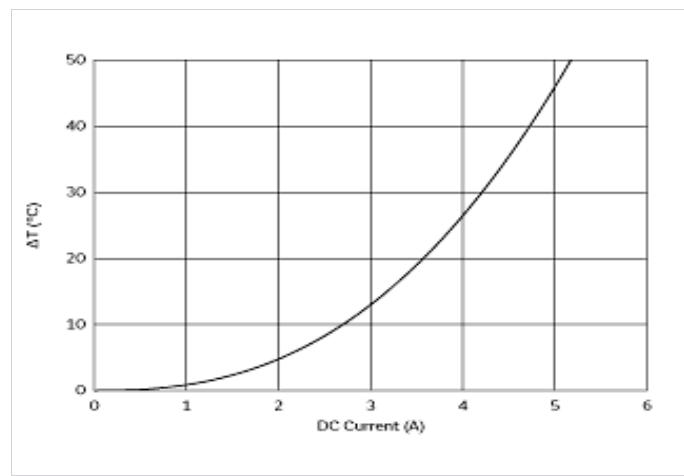
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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