## FDSD0420D-100M#

"#" indicates a package specification code.







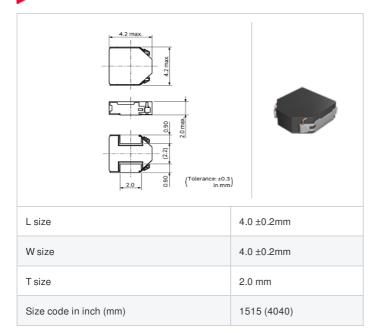






< List of part numbers with package codes > FDSD0420D-100M=P3

#### **Shape**





Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 25°C) Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current. (The ambient reference temperature is 25°C)

### References

Packaging code	Specifications	Minimum quantity
=P3	ф330mm Embossed taping	2000

Mass	(Тур.)
1 piece	0.164g

#### **Specifications**

Inductance	10μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	2500mA
Rated current (Itemp) (Based on Temperature rise)	1700mA
Max. of DC resistance	0.200Ω
Operating temperature range (Self-temperature rise is included)	-40~125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	30V DC
Series	FDSD0420_D

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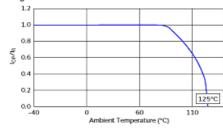


<sup>2.</sup> This datasheet has only typical specifications because there is no space for detailed specifications



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

Derating of Rated Current



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#### **Attention**

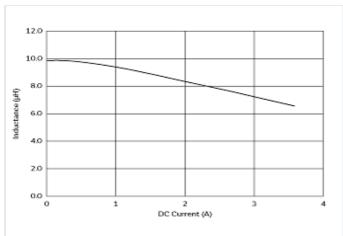
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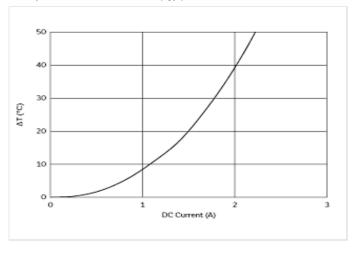
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#### Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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