FDSD0420D-1R5M#

"#" indicates a package specification code.







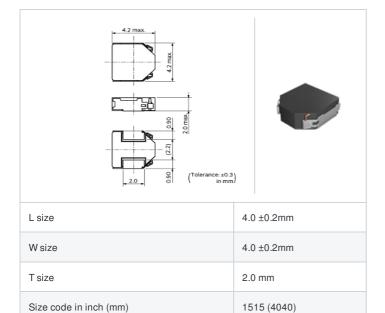






< List of part numbers with package codes > FDSD0420D-1R5M=P3

Shape





Notes

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 | φ330mm Embossed taping | 2000 |

| | Mass (Typ.) | | |
|---------|-------------|--------|--|
| 1 piece | | 0.164g | |

Specifications

| Inductance | 1.5μH ±20% |
|---|-------------|
| Inductance test frequency | 0.1MHz |
| Rated current (Isat) (Based on Inductance change) | 5700mA |
| Rated current (Itemp) (Based on Temperature rise) | 4300mA |
| Max. of DC resistance | 0.036Ω |
| 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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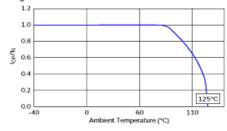


^{2.} This datasheet has only typical specifications because there is no space for detailed specifications



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

Derating of Rated Current



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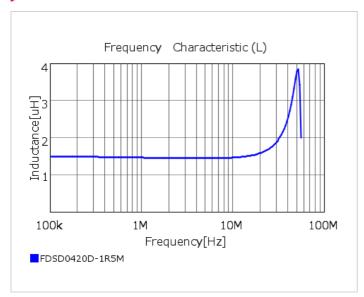


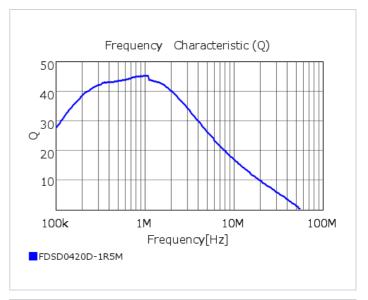
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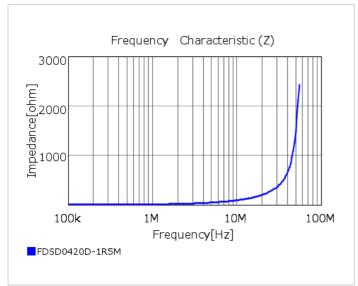
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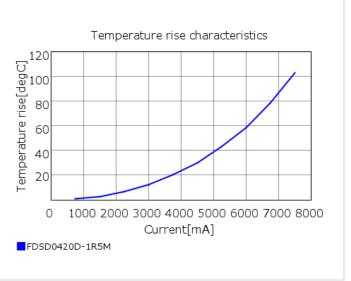
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