Inductor Data Sheet

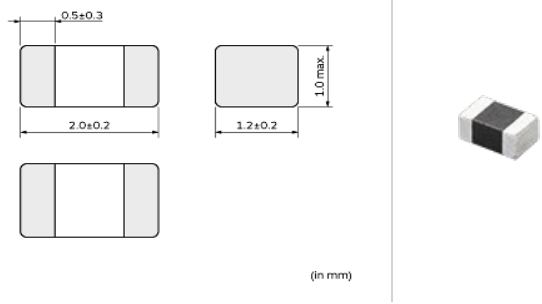
DFE201210S-R47M#

"#" indicates a package specification code.

In Production | General | 125 °C max. | Wound (Metal) | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
DFE201210S-R47M=P2

Shape



L size	2.0 ±0.3mm
W size	1.2 ±0.2mm
T size	1.0 mm
Size code in inch (mm)	0805 (2012)

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
=P2	φ180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.016g

Specifications

Inductance	0.47µH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	4800mA
Rated current (Itemp) (Based on Temperature rise)	3400mA
Max. of DC resistance	0.032Ω
Operating temperature range (Self-temperature rise is included)	-40～125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	20V DC
Series	DFE201210S

Attention

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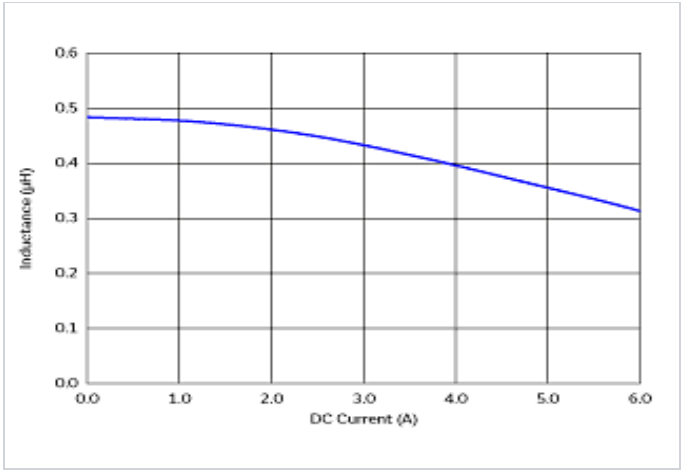
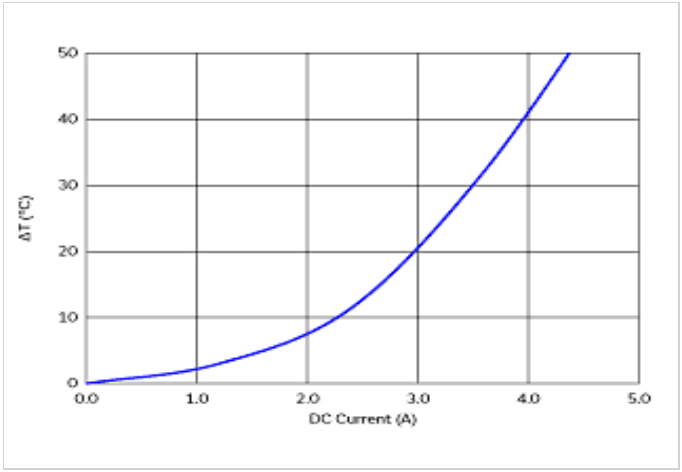
2.This datasheet has only typical specifications because there is no space for detailed specifications.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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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