Inductor Data Sheet

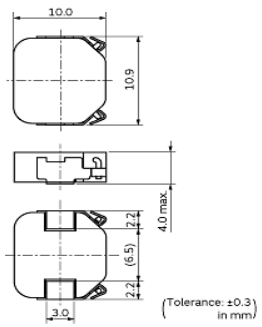
DFEG10040D-150M#

"#" indicates a package specification code.

In Production | Power-train | AEC-Q200 | 125 °C max. | Wound (Metal) | RoHS | REACH

< List of part numbers with package codes >
DFEG10040D-150M=P3

Shape





L size	10.9 ±0.3mm
W size	10.0 ±0.3mm
T size	4.0 mm
Size code in inch (mm)	4339 (109100)

Notes

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

References

Packaging code	Specifications	Minimum quantity
=P3	ϕ330mm Embossed taping	500

Mass (Typ.)	
1 piece	2.1295g

Specifications

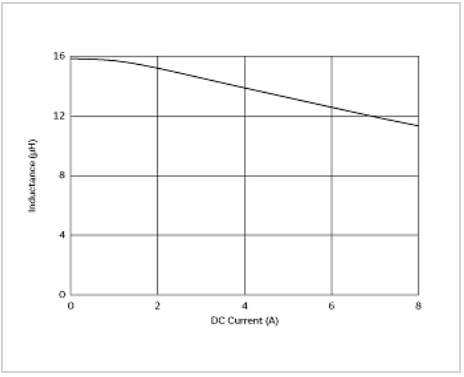
Inductance	15μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	4400mA
Rated current (Itemp) (Based on Temperature rise)	5200mA
Max. of DC resistance	0.0470Ω
Operating temperature range (Self-temperature rise is included)	-40～125℃
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	50V DC
Series	DFEG10040D

Attention

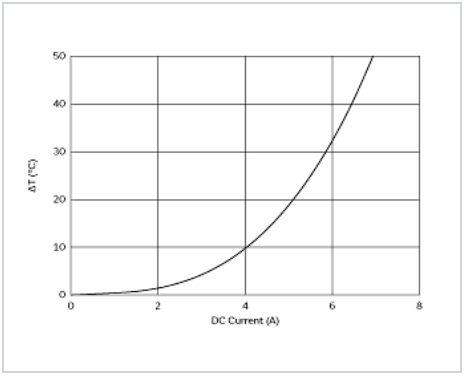
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2.This datasheet has 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.)

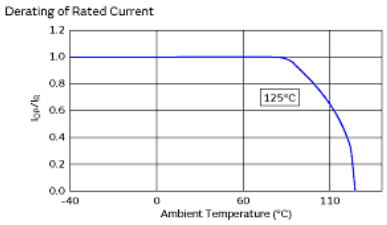


- Temperature rise characteristics (Typ.)



- Notice (Rating)

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



Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.
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.