

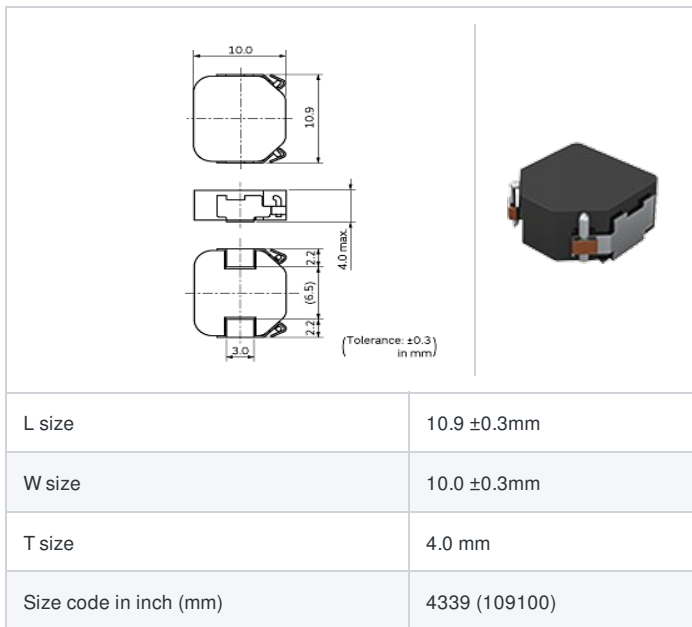
# DFEG10040D-100M#

# indicates a package specification code.



< List of part numbers with package codes >  
DFEG10040D-100M=P3

## Shape



## Notes

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

## References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	500

Mass (Typ.)	
1 piece	2.1295g

## Specifications

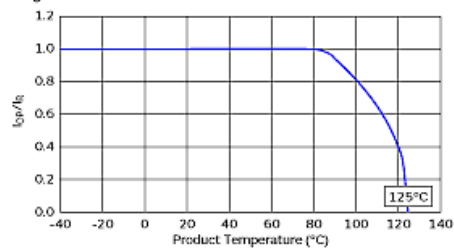
Inductance	10μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	5500mA
Rated current (Itemp) (Based on Temperature rise)	5700mA
Max. of DC resistance	0.033Ω
Operating temperature range (Self-temperature rise is included)	-40 to 125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	50Vdc
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.

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

Derating of Rated Current



 **Attention**

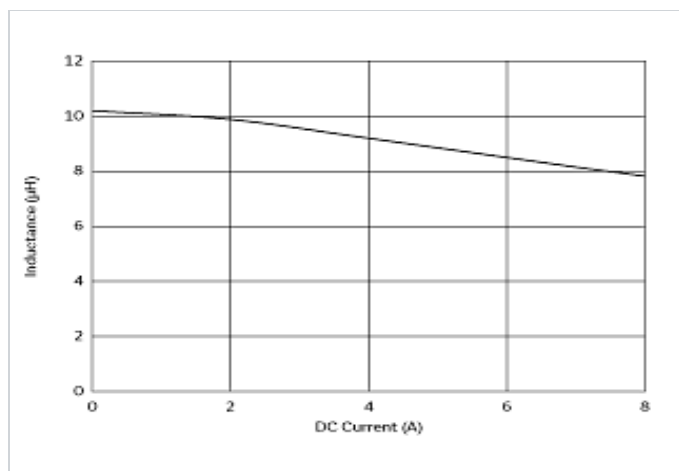
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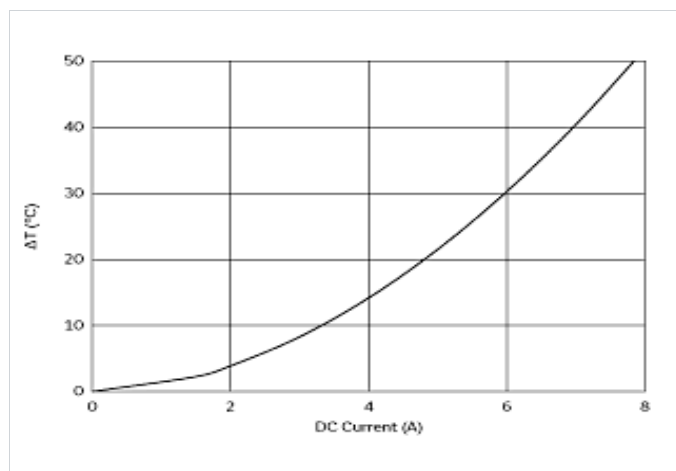
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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