## DFEH10040D-6R8M# "#" indicates a package specification code.









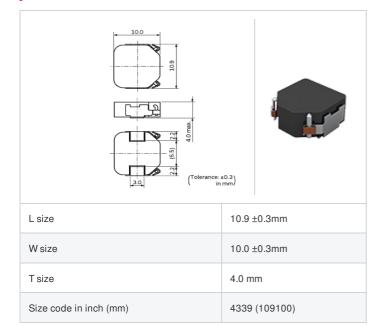






< List of part numbers with package codes > DFEH10040D-6R8M=P3

### **Shape**





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	6.8μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	6500mA
Rated current (Itemp) (Based on Temperature rise)	6400mA
Max. of DC resistance	0.023Ω
Operating temperature range (Self-temperature rise is included)	-40 to 155°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	50Vdc
Series	DFEH10040D

1 of 3



<sup>1.</sup> 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.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

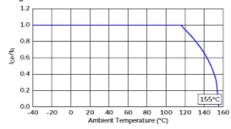


<sup>2.</sup> This datasheet has only typical specifications because there is no space for detailed specifications



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

Derating of Rated Current



2 of 3



#### **Attention**

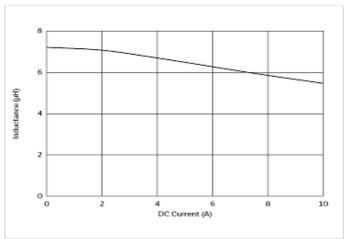
1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

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

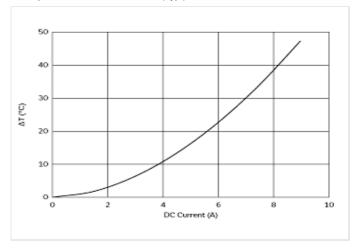
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



3 of 3



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.



# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Murata:

DFEH10040D-6R8M=P3