muRata Inductor Data Sheet

MBH7045C-680MA# "#" indicates a package specification code.



< List of part numbers with package codes > MBH7045C-680MA=P3

Shape

# (in mm) 7.2 mm L size W size 7.2 mm T size 4.8 mm Size code in inch (mm) 2828 (7272)

# Notes

Rated current (lsat) is specified when the decrease of the initial inductance value at 10%. (The ambient reference temperature is 25°C) Rated current (Itemp) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 25°C)

## References

Packaging code	Specifications	Minimum quantity
=P3	ф330mm Embossed taping	1000

Mass (Typ.)	
1 piece	0.768g

## **Specifications**

Inductance	68μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	590mA
Rated current (Itemp) (Based on Temperature rise)	1100mA
Max. of DC resistance	0.2100Ω
Avg. of DC resistance	0.175Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core
Series	MBH7045C

#### 1 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

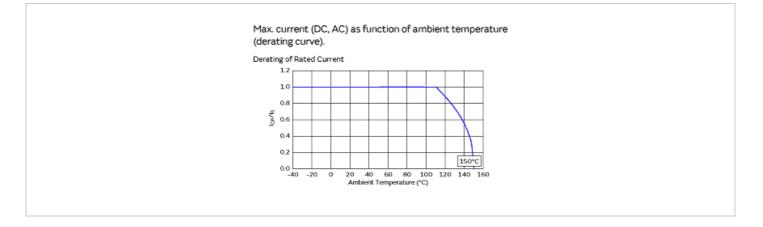
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2. This datasheet has only typical specifications because there is no space for detailed specifications

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





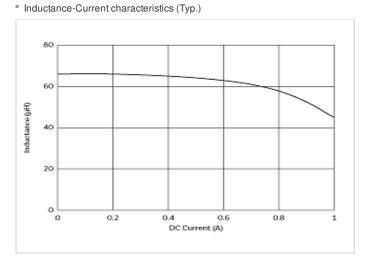


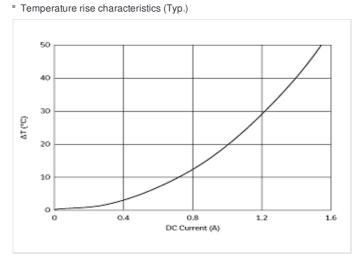
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)





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