

# MBH6045C-680MB#

# indicates a package specification code.



< List of part numbers with package codes >  
MBH6045C-680MB=P3

## Shape

L size	6.2 mm
W size	6.2 mm
T size	4.8 mm
Size code in inch (mm)	2424 (6262)

## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 10%. (The ambient reference temperature is 25°C)  
Rated current (I<sub>temp</sub>) 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	φ330mm Embossed taping	1000

Mass (Typ.)	
1 piece	0.6155g

## Specifications

Inductance	68μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	480mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	940mA
Max. of DC resistance	0.2580Ω
Avg. of DC resistance	0.215Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core
Series	MBH6045C

### Attention

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

Derating of Rated Current

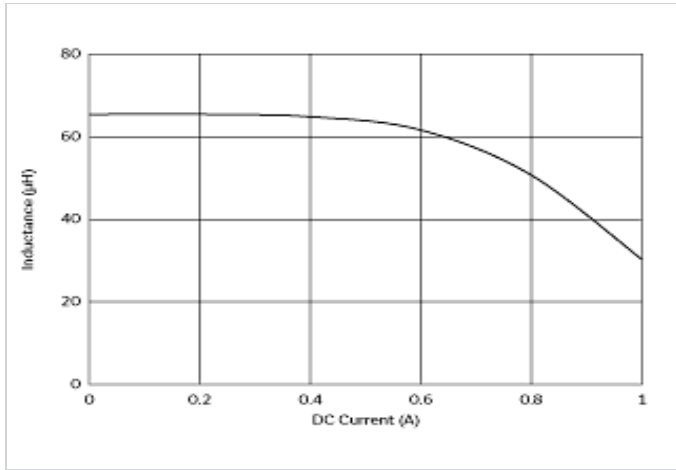


 **Attention**

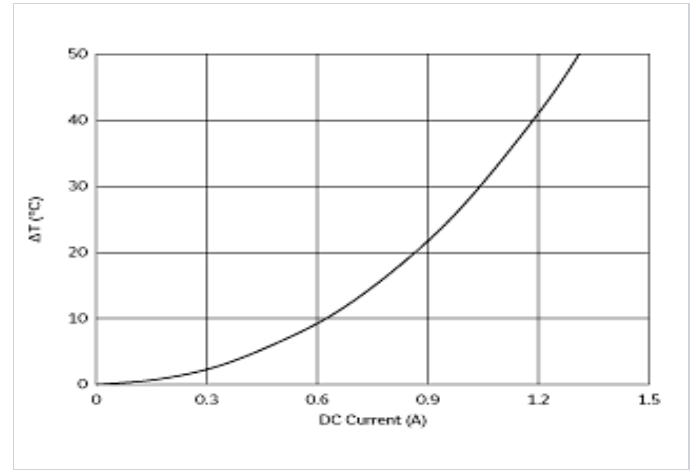
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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