

MBH10145C-100MA#

indicates a package specification code.



< List of part numbers with package codes >
MBH10145C-100MA=P3

Shape



Notes

Rated current (I_{sat}) is specified when the decrease of the initial inductance value at 10%. (The ambient reference temperature is 25°C)
Rated current (I_{temp}) 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	500

Mass (Typ.)	
1 piece	1.521g

Specifications

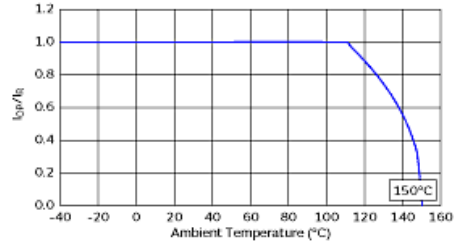
Inductance	10μH ±20%
Inductance test frequency	0.1MHz
Rated current (I _{sat}) (Based on Inductance change)	3100mA
Rated current (I _{temp}) (Based on Temperature rise)	3300mA
Max. of DC resistance	0.0444Ω
Avg. of DC resistance	0.037Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core
Series	MBH10145C

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

Derating of Rated Current

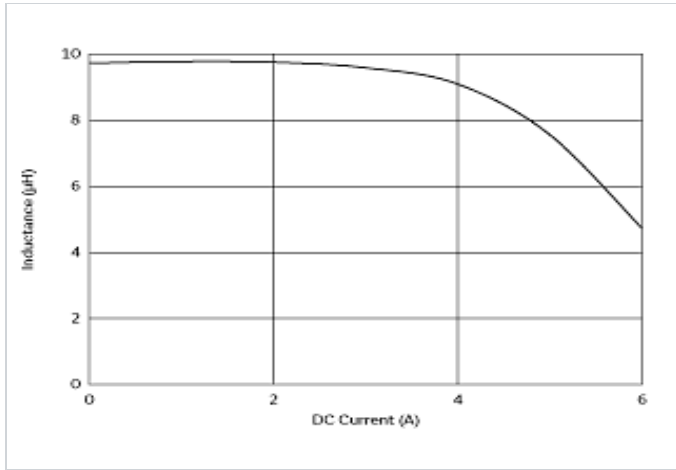


 **Attention**

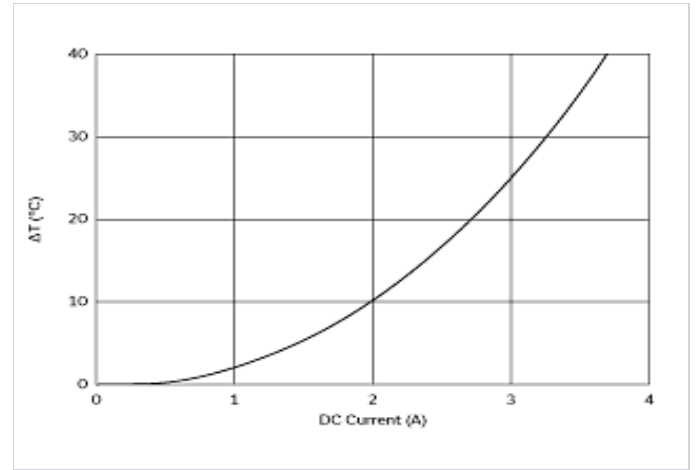
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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