

MBH10145C-470MA# "#" indicates a package specification code.



< List of part numbers with package codes >
MBH10145C-470MA=P3

Shape

L size	10.4 mm
W size	10.4 mm
T size	4.8 mm
Size code in inch (mm)	4141 (104104)

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	47μH ±20%
Inductance test frequency	0.1MHz
Rated current (I _{sat}) (Based on Inductance change)	1600mA
Rated current (I _{temp}) (Based on Temperature rise)	1700mA
Max. of DC resistance	0.1200Ω
Avg. of DC resistance	0.100Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core
Series	MBH10145C

Attention

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

Derating of Rated Current

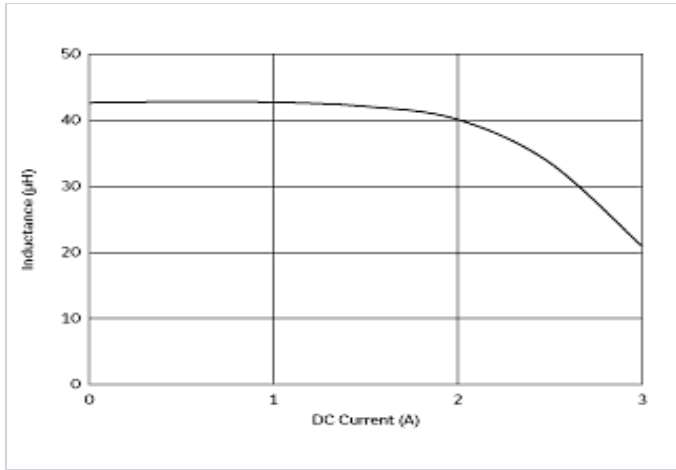


 **Attention**

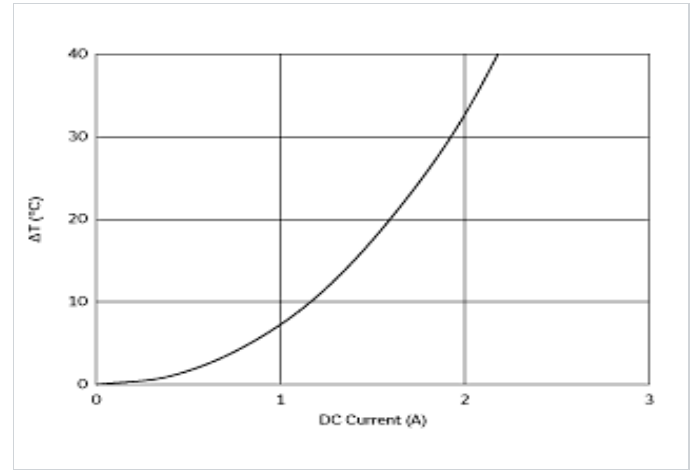
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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