

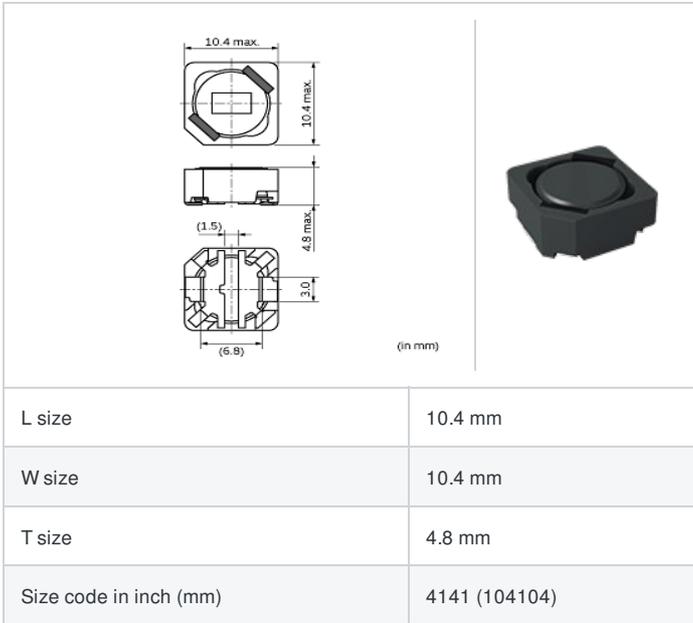
# MBH10145C-470MA#

# indicates a package specification code.



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

## Shape



## 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	500

Mass (Typ.)	
1 piece	1.521g

## Specifications

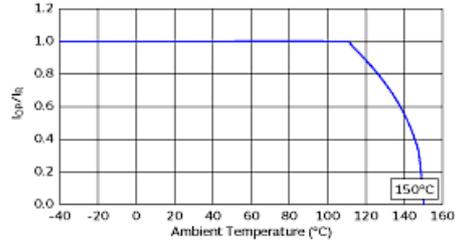
Inductance	47μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1600mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1700mA
Max. of DC resistance	0.1200Ω
Avg. of DC resistance	0.100Ω±20%
Operating temperature range (Self-temperature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

### Attention

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- 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.

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

Derating of Rated Current

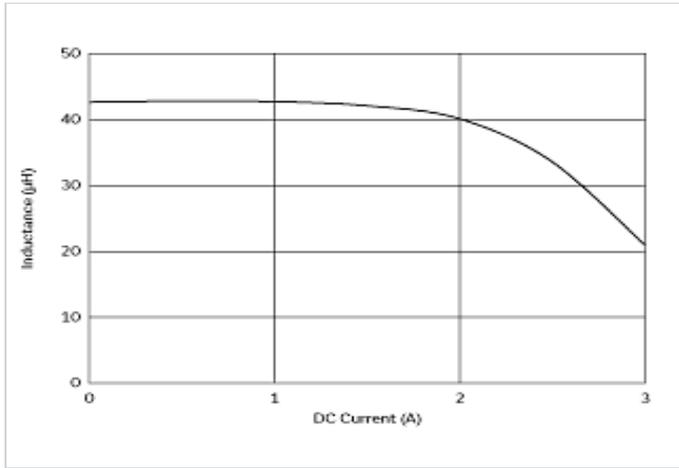


 **Attention**

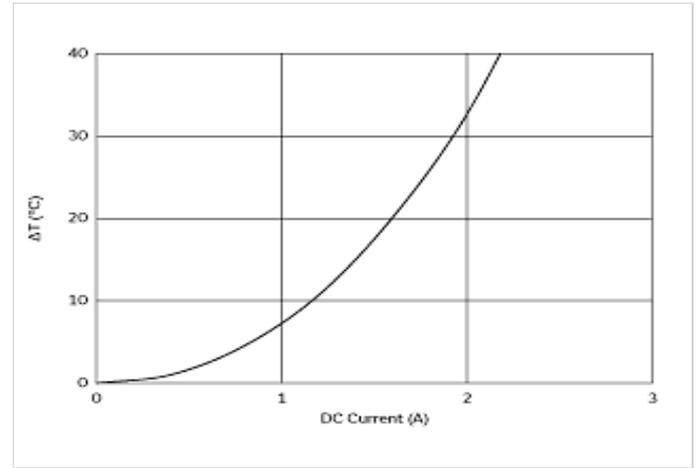
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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