

# MBH12282C-6R8NA#

\*# indicates a package specification code.



< List of part numbers with package codes >  
 MBH12282C-6R8NA=P3

## Shape

(Tolerance: ±0.3 in mm)

L size	12.5 mm
W size	12.5 mm
T size	8.5 mm
Size code in inch (mm)	4949 (125125)

## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 10%.  
 Rated current (I<sub>temp</sub>) is specified when temperature of the inductor is raised 40 °C by DC current.

## References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	300

Mass (Typ.)	
1 piece	4.5825g

## Specifications

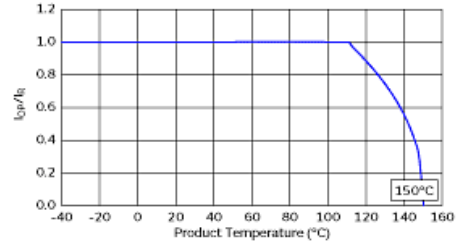
Inductance	6.8μH ±30%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	7000mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	5700mA
Max. of DC resistance	0.0180Ω
Avg. of DC resistance	0.015Ω ±20%
Operating temperature range (Self-temperature rise is included)	-40°C to 150°C
Class of magnetic shield	Ferrite Core
Series	MBH12282C

### Attention

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

Derating of Rated Current

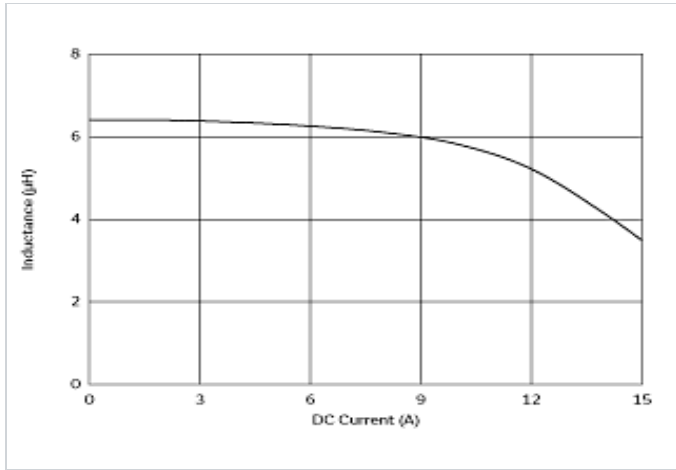


 **Attention**

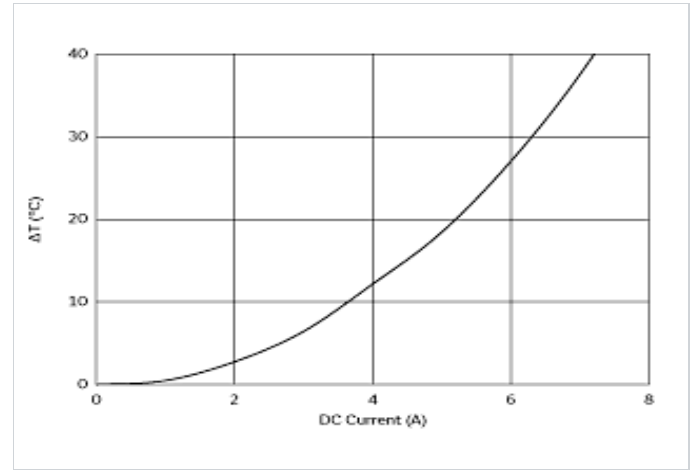
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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