

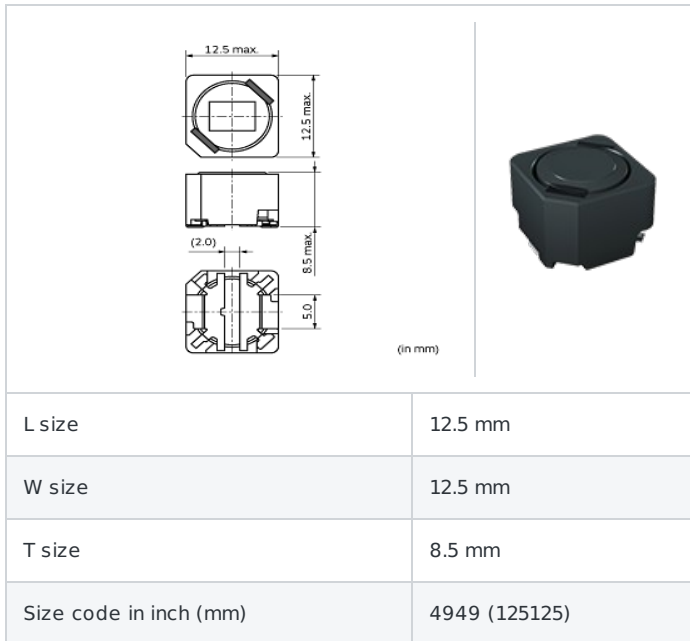
# muRata Inductor Data Sheet MBH12282C-101MA#

"#" indicates a package specification code.



< List of part numbers with package codes >  
MBH12282C-101MA=P3

## Shape



## Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 10%. (The ambient reference temperature is 25°C)  
Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current. (The ambient reference temperature is 25°C)

## References

Packaging code	Specifications	Minimum quantity
=P3	φ 330mm Embossed taping	300

Mass (Typ.)	
1 piece	4.5825g

## Specifications

Inductance	100μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	1700mA
Rated current (Itemp) (Based on Temperature rise)	1900mA
Max. of DC resistance	0.1320Ω
Avg. of DC resistance	0.11Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core

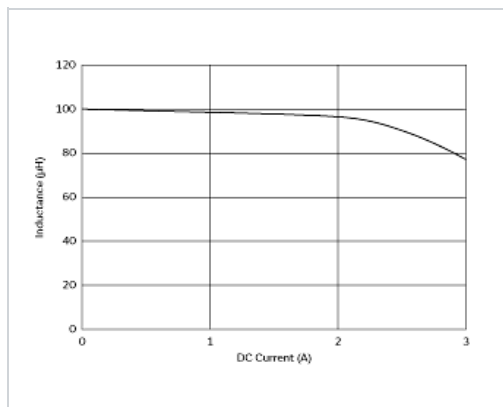
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## Attention

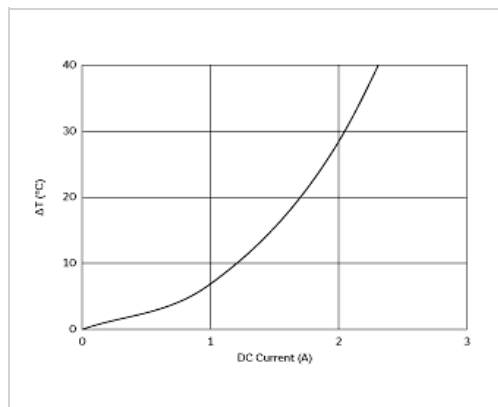
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

" Inductance-Current characteristics (Typ.)



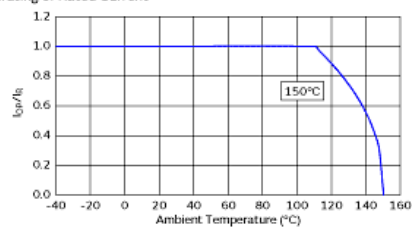
" Temperature rise characteristics (Typ.)



" Notice (Rating)

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

Derating of Rated Current



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