

muRata Inductor Data Sheet
MBH12282C-680MA#

"#" indicates a package specification code.



< List of part numbers with package codes >
 MBH12282C-680MA=P3

Shape

<p>(in mm)</p>	
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 (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	ψ 330mm Embossed taping	300

Mass (Typ.)	
1 piece	4.5825g

Specifications

Inductance	68μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	2100mA
Rated current (Itemp) (Based on Temperature rise)	2200mA
Max. of DC resistance	0.0996Ω
Avg. of DC resistance	0.083Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core

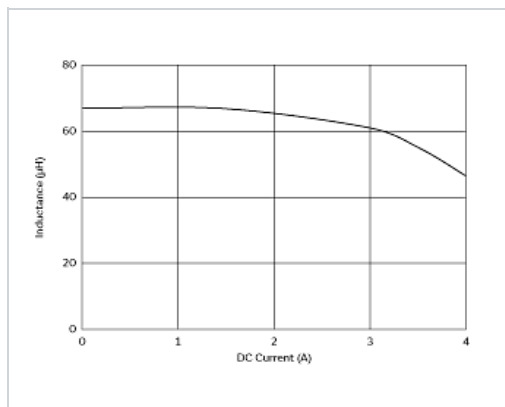
1 of 2

Attention

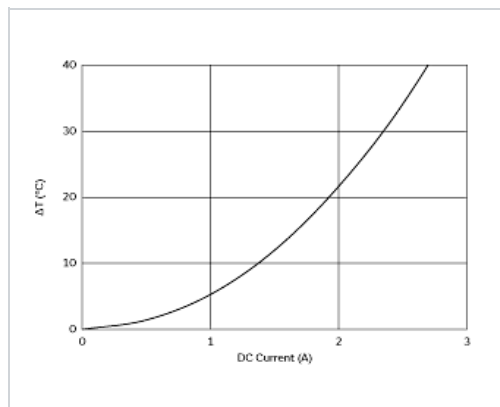
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

" Inductance-Current characteristics (Typ.)



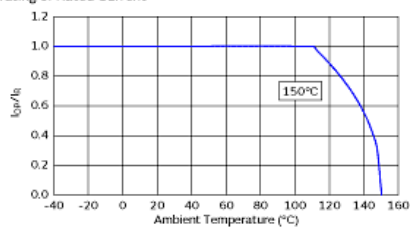
" Temperature rise characteristics (Typ.)



" Notice (Rating)

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

Derating of Rated Current



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