

muRata Inductor Data Sheet

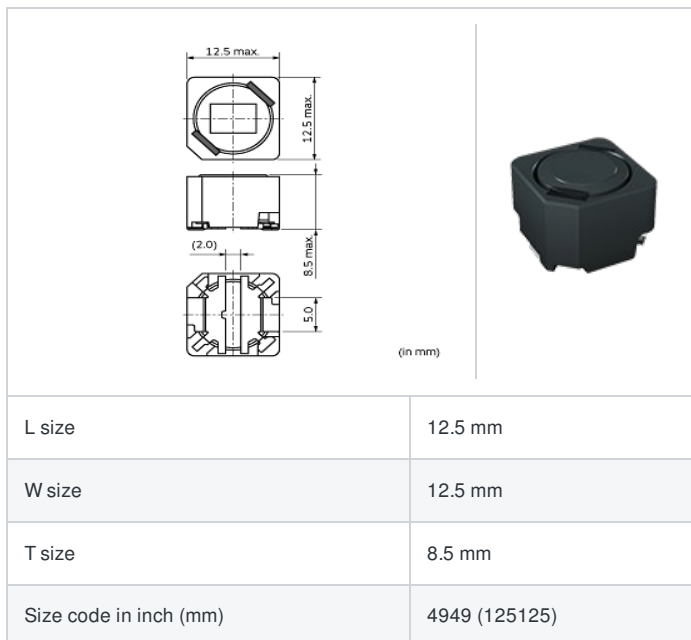
MBH12282C-100MA#

"#" indicates a package specification code.



< List of part numbers with package codes >
MBH12282C-100MA=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	φ330mm Embossed taping	300

Mass (Typ.)	
1 piece	4.5825g

Specifications

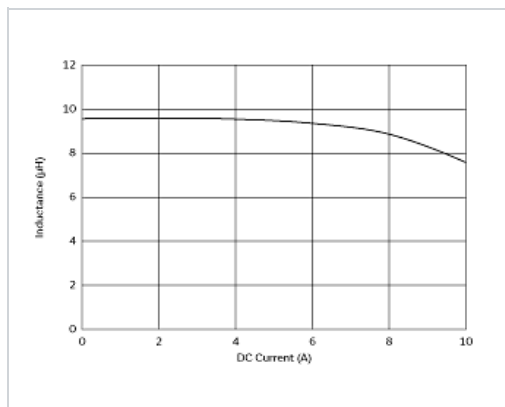
Inductance	10μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	5700mA
Rated current (Itemp) (Based on Temperature rise)	5300mA
Max. of DC resistance	0.0216Ω
Avg. of DC resistance	0.018Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~150°C
Class of magnetic shield	Ferrite Core

1 of 2

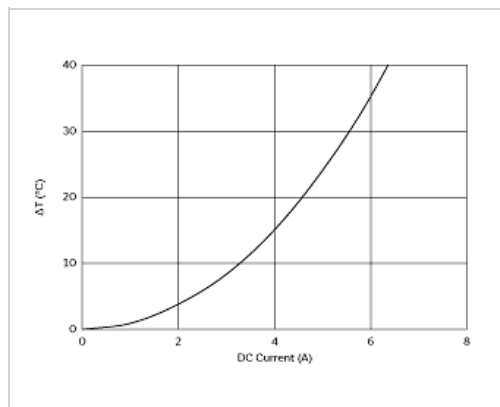
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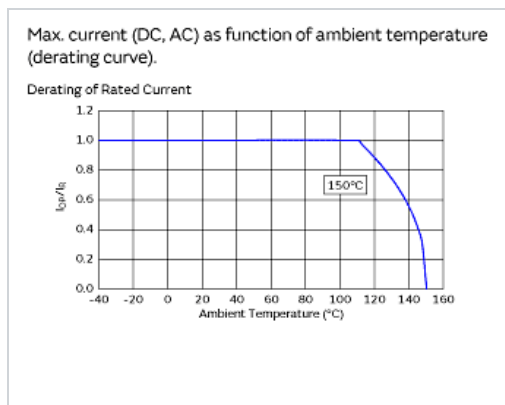
" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



" Notice (Rating)



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