

muRata Inductor Data Sheet

1255AY-100M#

"#" indicates a package specification code.



< List of part numbers with package codes >
1255AY-100M=P3

Shape

L size	6.0 ±0.3mm
W size	6.0 ±0.3mm
T size	4.5 mm
Size code in inch (mm)	2424 (6060)

Notes

Rated current (I_{sat}) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C)
Rated current (I_{temp}) is specified when temperature of the inductor is raised 40°C by DC current. (The ambient reference temperature is 20°C)

References

Packaging code	Specifications	Minimum quantity
=P3	φ 330mm Embossed taping	1500

Mass (Typ.)	
1 piece	0.562g

Specifications

Inductance	10μH ±20%
Inductance test frequency	0.1MHz
Rated current (I _{sat}) (Based on Inductance change)	3100mA
Rated current (I _{temp}) (Based on Temperature rise)	2900mA
Max. of DC resistance	0.0564Ω
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Magnetic Resin

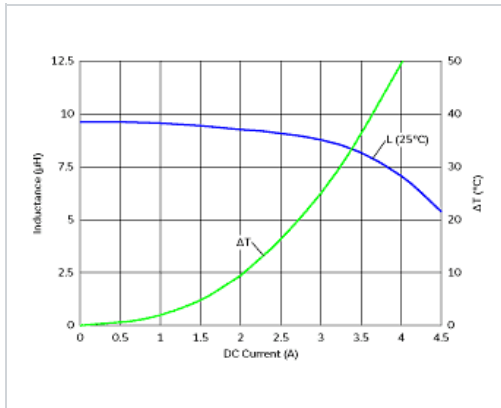
1 of 2

⚠ Attention

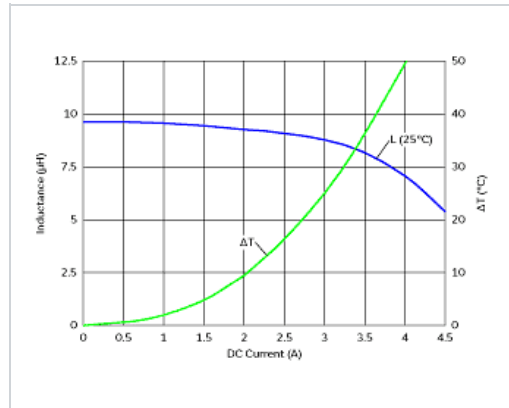
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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