

muRata Inductor Data Sheet

1277AS-H-1R0M#

"#" indicates a package specification code.



< List of part numbers with package codes >
1277AS-H-1R0M=P2

Shape

L size	3.2 ±0.2mm
W size	2.5 ±0.2mm
T size	1.2 mm
Size code in inch (mm)	1210 (3225)

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
=P2	φ 180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.0448g

Specifications

Inductance	1.0μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	3700mA
Rated current (I _{temp}) (Based on Temperature rise)	3100mA
Max. of DC resistance	0.045Ω
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	20V DC

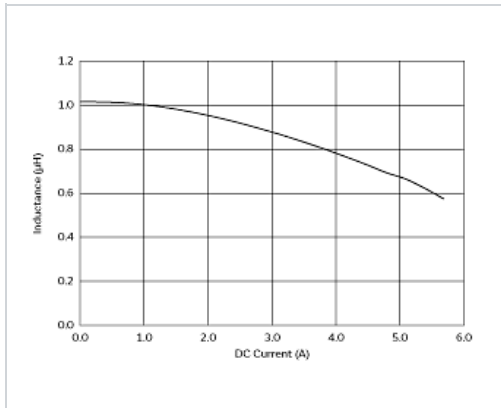
1 of 2

⚠ Attention

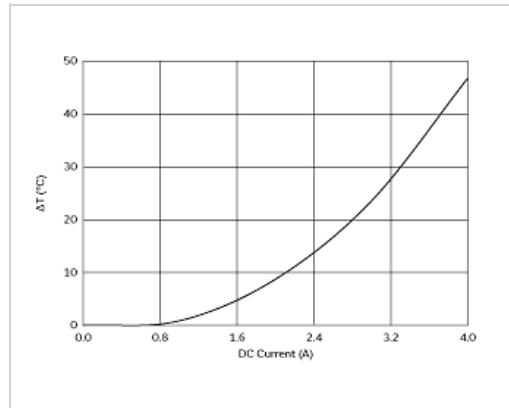
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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