

# muRata Inductor Data Sheet

## 1225AS-H-6R8M#

"#" indicates a package specification code.



< List of part numbers with package codes >  
1225AS-H-6R8M=P2

### Shape

L size	3.0 ±0.2mm
W size	2.8 ±0.2mm
T size	1.2 mm
Size code in inch (mm)	1211 (3028)

### Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C)  
Rated current (I<sub>temp</sub>) 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	2000

Mass (Typ.)	
1 piece	0.041g

### Specifications

Inductance	6.8μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	720mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1100mA
Max. of DC resistance	0.204Ω
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Ferrite Core

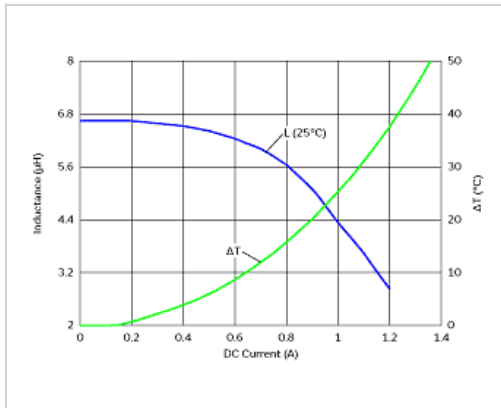
1 of 2

### ⚠ Attention

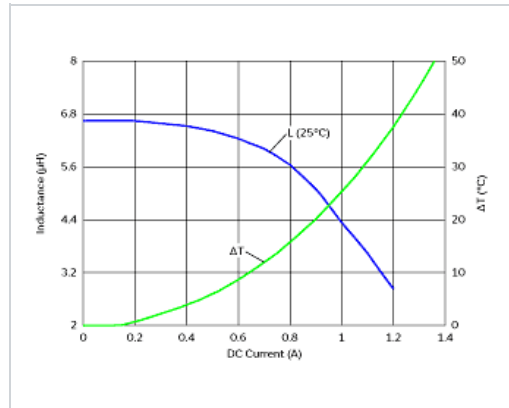
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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