

# muRata Inductor Data Sheet

## 1255AY-270M#

"#" indicates a package specification code.



< List of part numbers with package codes >  
1255AY-270M=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<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
=P3	φ 330mm Embossed taping	1500

Mass (Typ.)	
1 piece	0.562g

### Specifications

Inductance	27μH ±20%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1800mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1800mA
Max. of DC resistance	0.1620Ω
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Magnetic Resin

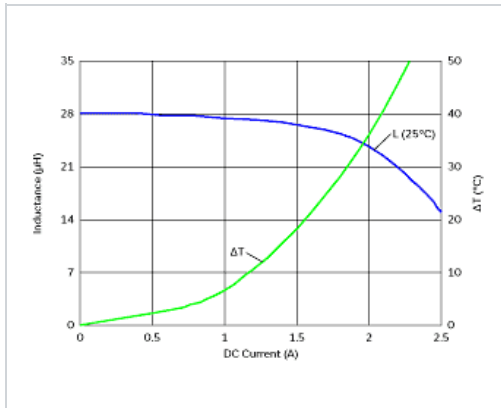
1 of 2

### Attention

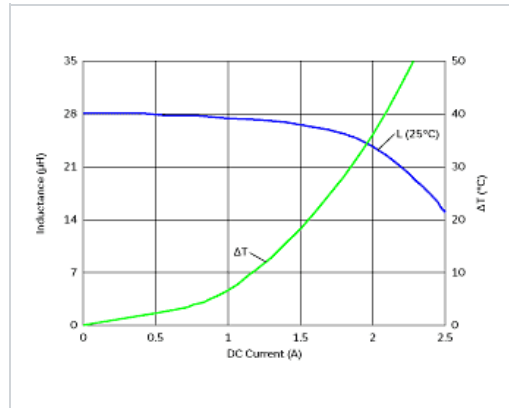
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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