

# 1253AY-1R0N#

# indicates a package specification code.

In Production
General
85 °C max. (Ferrite)
Wound (Ferrite)
RoHS
REACH

< List of part numbers with package codes >  
1253AY-1R0N=P3

## Shape

L size	6.0 ±0.3mm
W size	6.0 ±0.3mm
T size	2.8 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 inductor the is raised 40°C by DC current. (The ambient reference temperature is 20°C.)

## References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	2000

Mass (Typ.)	
1 piece	0.340g

## Specifications

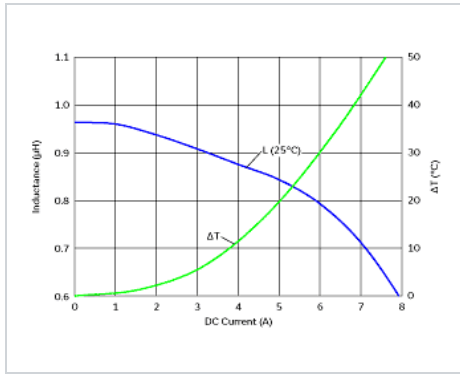
Inductance	1.0μH ±30%
Inductance test frequency	0.1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	5300mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	5800mA
Max. of DC resistance	0.0144Ω
Avg. of DC resistance	0.012Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	DG6028C

### Attention

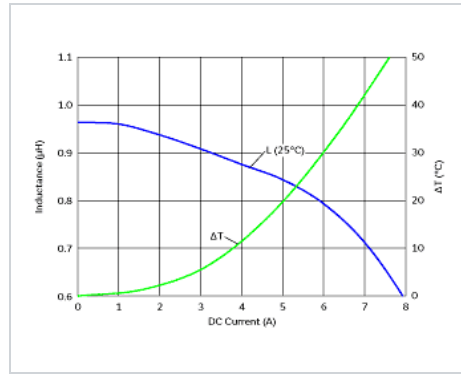
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



**⚠ Attention**

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