

1253AY-6R8M#

indicates a package specification code.

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

< List of part numbers with package codes >
1253AY-6R8M=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 (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C.)
Rated current (Itemp) 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

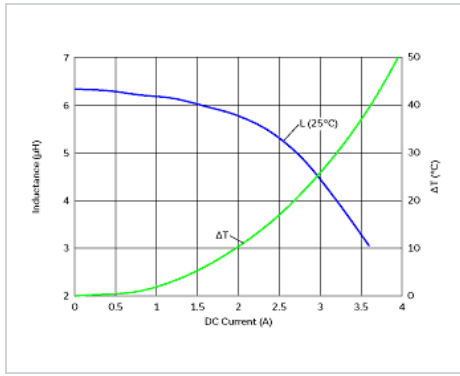
Inductance	6.8μH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	2300mA
Rated current (Itemp) (Based on Temperature rise)	3100mA
Max. of DC resistance	0.0564Ω
Avg. of DC resistance	0.047Ω±20%
Operating temperature range (Self-temperature rise is included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	DG6028C

Attention

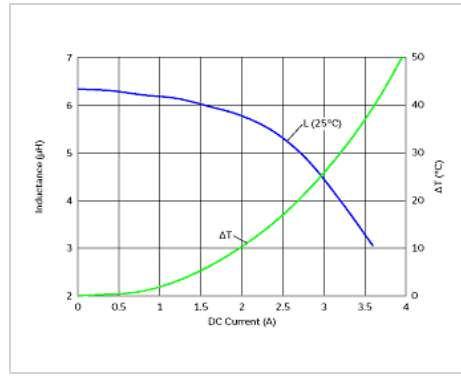
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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