Inductor Data Sheet

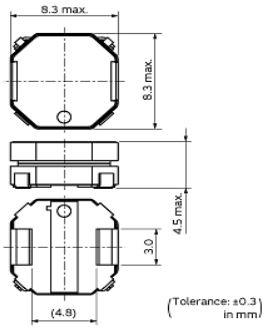
DD1217AS-H-5R6N#

"#" indicates a package specification code.

In Production | General | 105 °C max. | Wound (Ferrite) | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
DD1217AS-H-5R6N=P3

Shape





L size	8.0 ±0.3mm
W size	8.0 ±0.3mm
T size	4.5 mm
Size code in inch (mm)	3131 (8080)

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 the inductor is raised 40°C by DC current. (The ambient reference temperature is 20°C)

References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	1000

Mass (Typ.)	
1 piece	1.167g

Specifications

Inductance	5.6μH ±30%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	6100mA
Rated current (Itemp) (Based on Temperature rise)	5400mA
Max. of DC resistance	0.0228Ω
Avg. of DC resistance	0.0190Ω±20%
Operating temperature range (Self-temperature rise is included)	-40～105°C
Class of magnetic shield	Ferrite Core
Series	DEM8045C_DD

Attention

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2.This datasheet has only typical specifications because there is no space for detailed specifications.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

Max. current (DC, AC) as function of ambient temperature (derating curve).

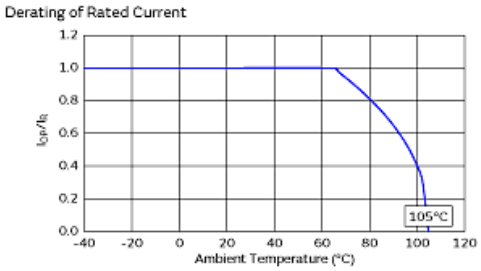

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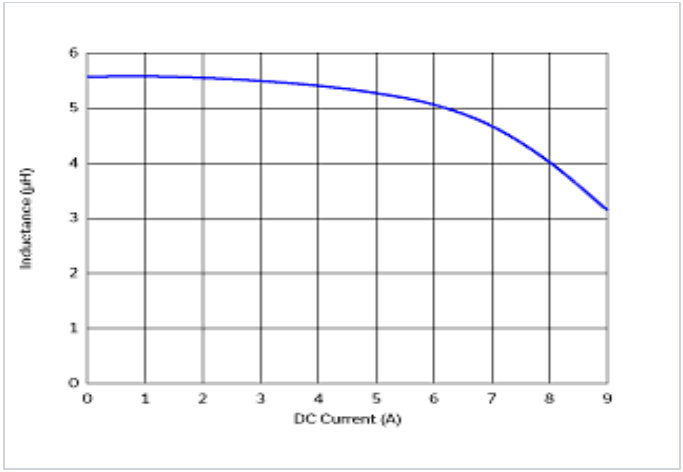
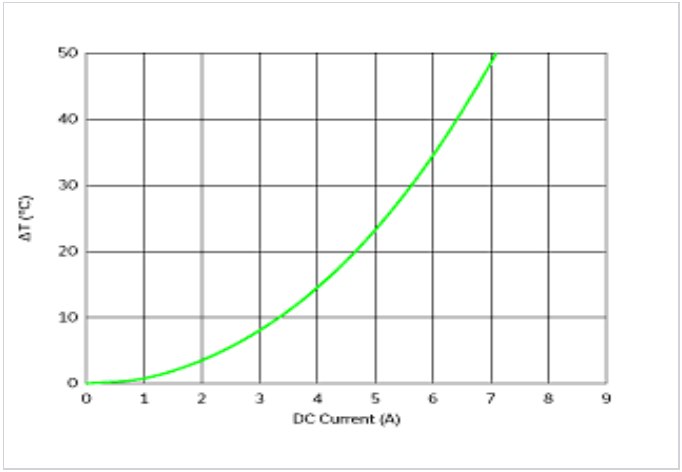
Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

- Inductance-Current characteristics (Typ.)



- Temperature rise characteristics (Typ.)



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