Inductor Data Sheet

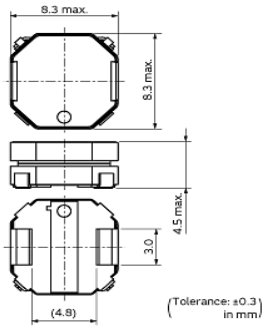
DD1217AS-H-8R2M#

"#" 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-8R2M=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

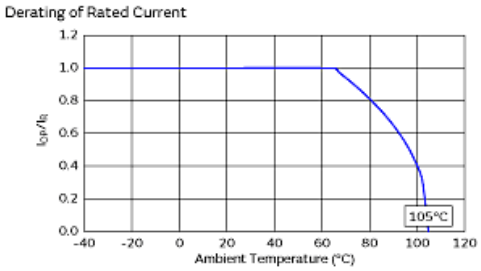
Specifications

Inductance	8.2µH ±20%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	4800mA
Rated current (Itemp) (Based on Temperature rise)	4500mA
Max. of DC resistance	0.0336Ω
Avg. of DC resistance	0.0280Ω ±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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Max. current (DC, AC) as function of ambient temperature (derating curve).

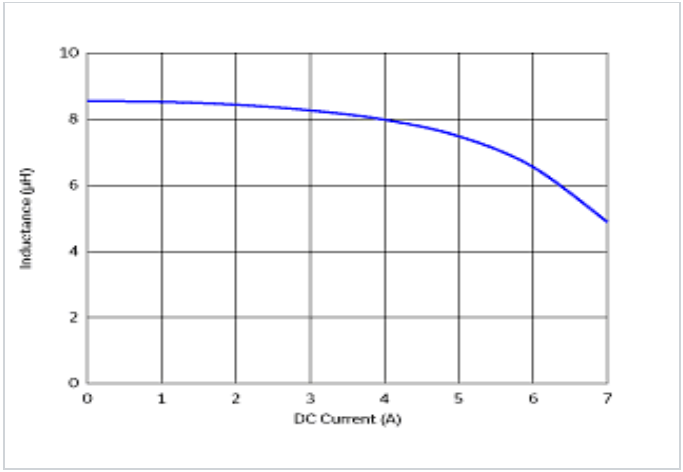


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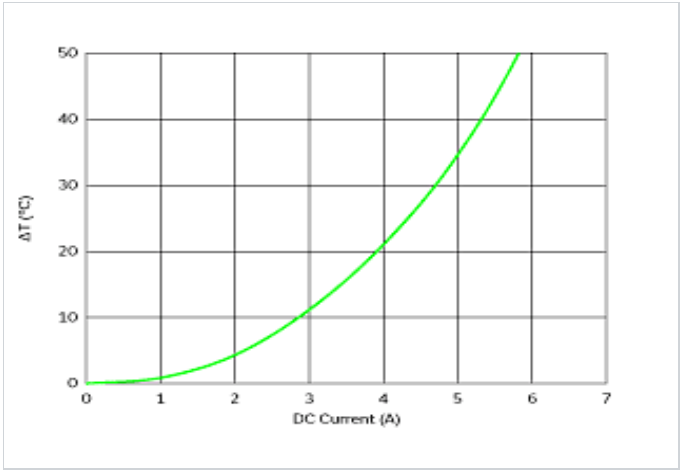
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

- Inductance-Current characteristics (Typ.)



- Temperature rise characteristics (Typ.)



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