

DEM8045Z-6R8N#

#" indicates a package specification code.



< List of part numbers with package codes >

DEM8045Z-6R8N=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%.

Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current.

References

Packaging code	Specifications	Minimum quantity
=P3	φ330mm Embossed taping	1000

Mass (Typ.)	
1 piece	1.167g

Specifications

Inductance	6.8μH ±30%
Inductance test frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	5200mA
Rated current (Itemp) (Based on Temperature rise)	4800mA
Max. of DC resistance	0.0276Ω
Avg. of DC resistance	0.0230Ω±20%
Operating temperature range (Self-temperature rise is included)	-40°C to 105°C
Class of magnetic shield	Ferrite Core
Series	DEM8045C_Z

Attention

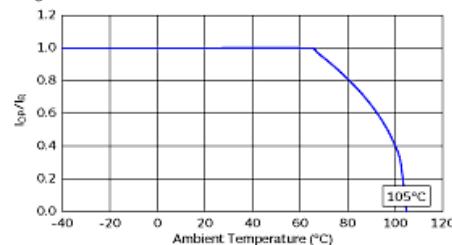
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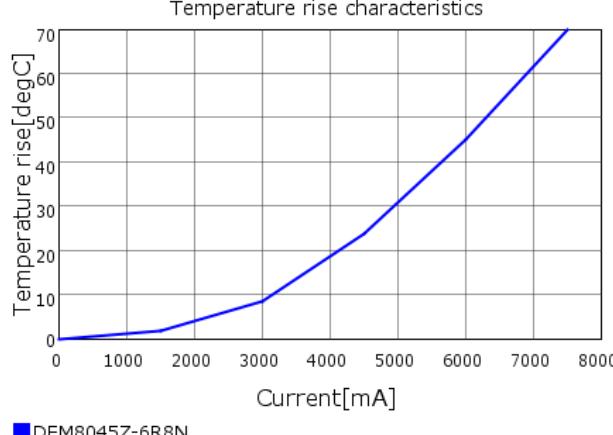
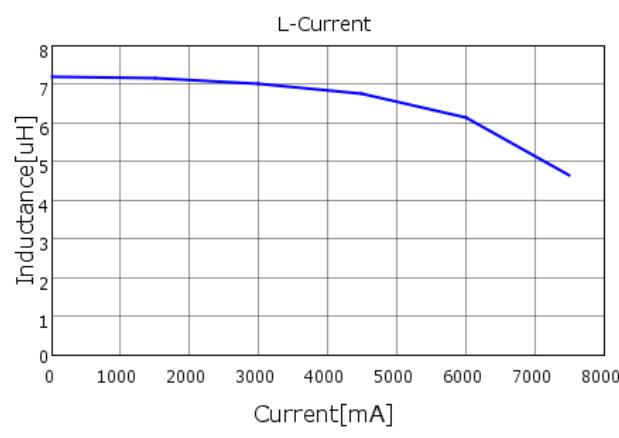
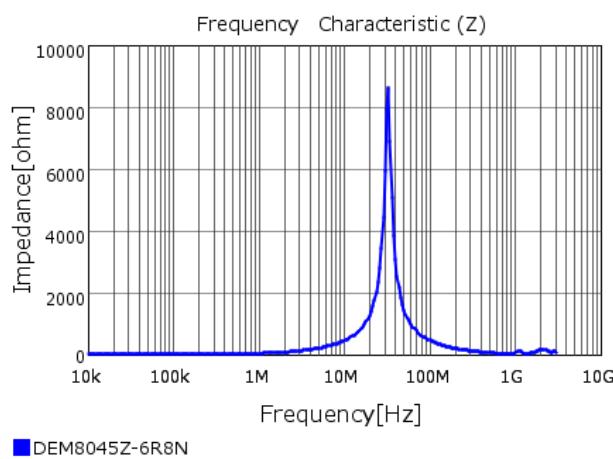
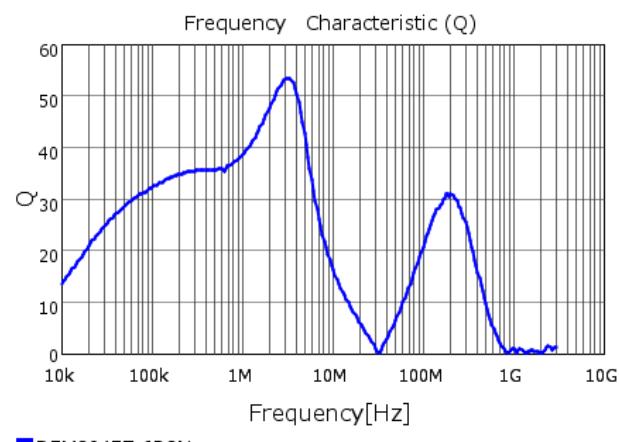
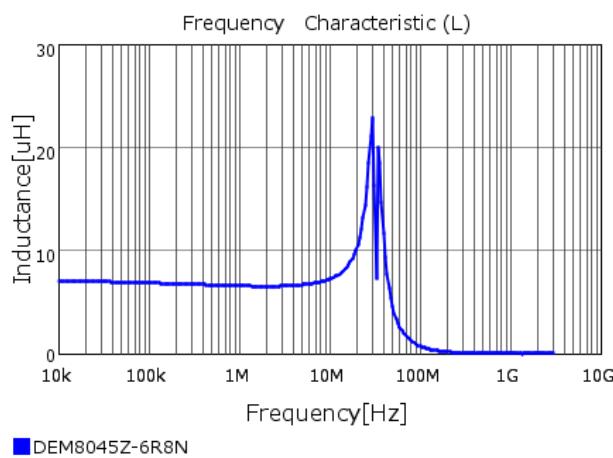
Max. current (DC, AC) as function of ambient temperature (derating curve).

Derating of Rated Current



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