

# DEM8045Z-6R8N#

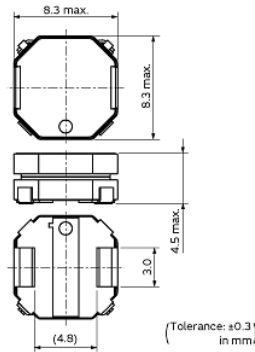
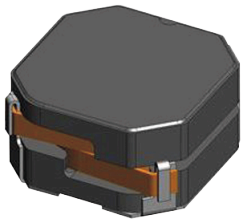
“#” indicates a package specification code.



## < List of part numbers with package codes >

DEM8045Z-6R8N=P3

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
=P3	330Embossed Tape	1000

Mass (typ.)	
1 piece	1.167g

## Notices

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.

### Attention

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## Specifications

L size	8.0±0.3mm
W size	8.0±0.3mm
T size	4.5mm
Size code inch (mm)	3131 (8080)
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
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Ferrite Core
Brand	Murata
DC Resistance Intermediate Values	0.0230Ω±20%
Series	DEM8045C_Z

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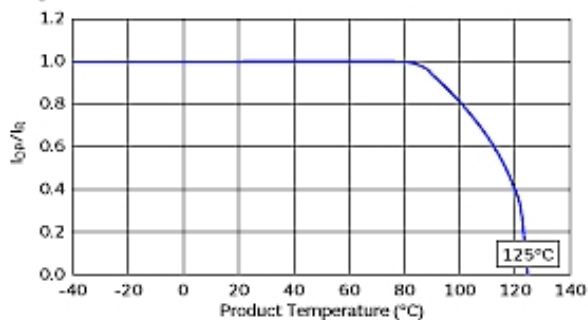
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## Notice For General

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

Derating of Rated Current



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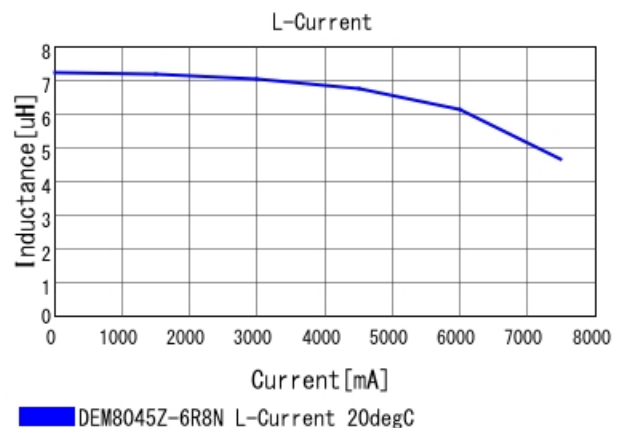
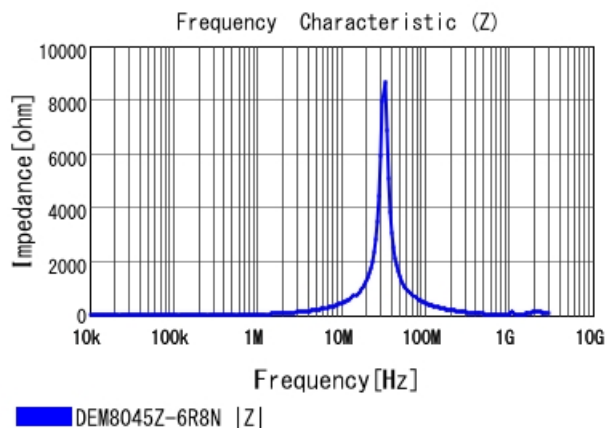
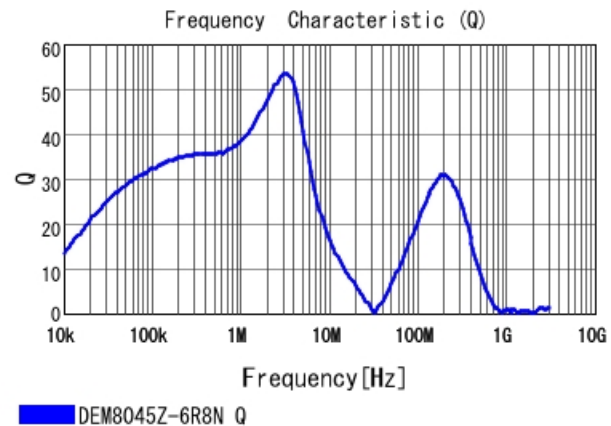
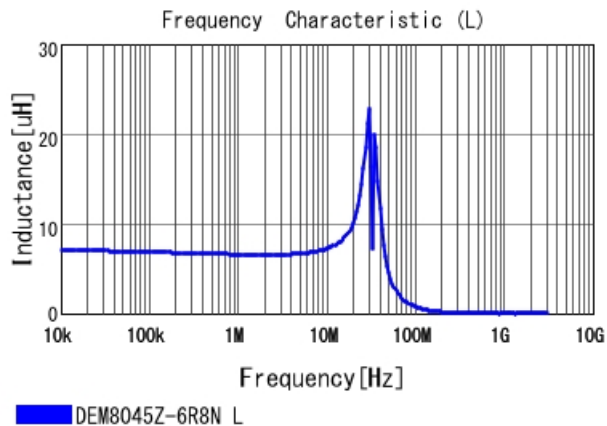
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## Characteristic Data

The charts below may show another part number which shares its characteristics.



### Attention

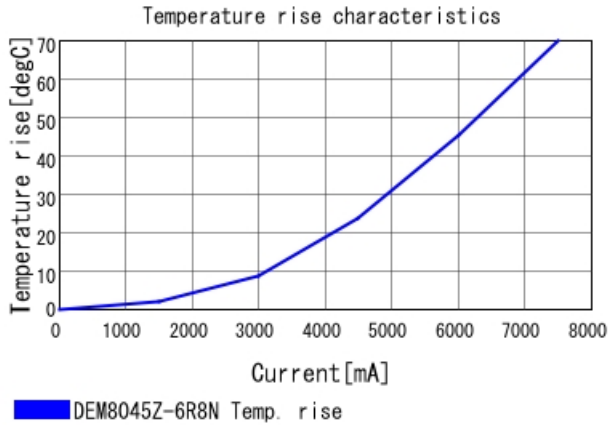
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