

DEM8045Z-4R7N#

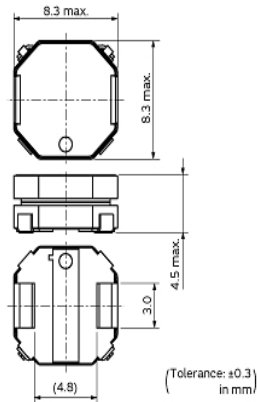
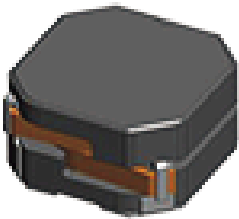
“#” indicates a package specification code.



< List of part numbers with package codes >

DEM8045Z-4R7N=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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- 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.

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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	4.7μH±30%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	6700mA
Rated current (Itemp) (Based on Temperature rise)	6300mA
Max. of DC resistance	0.018Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Ferrite Core
DC Resistance Intermediate Values	0.0150Ω±20%
Series	DEM8045C_Z

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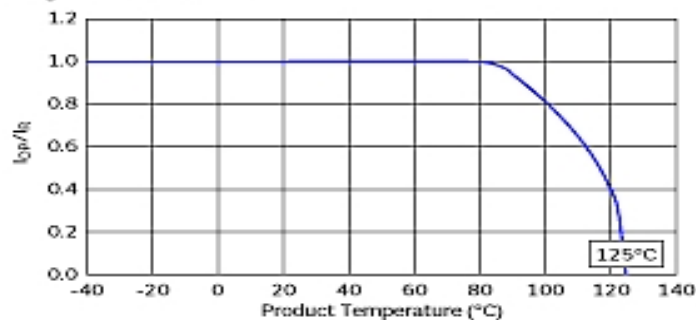
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Notice For General

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

Derating of Rated Current



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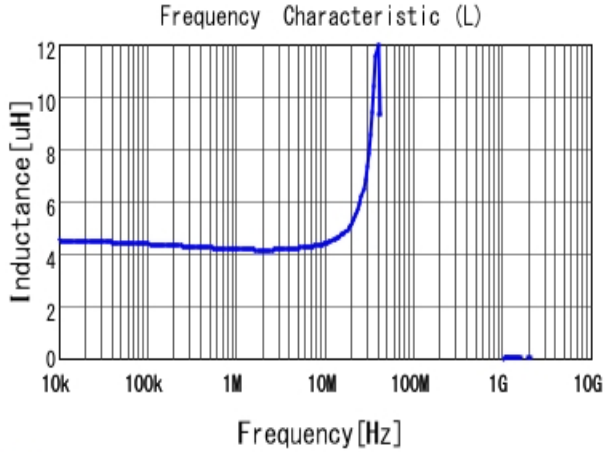
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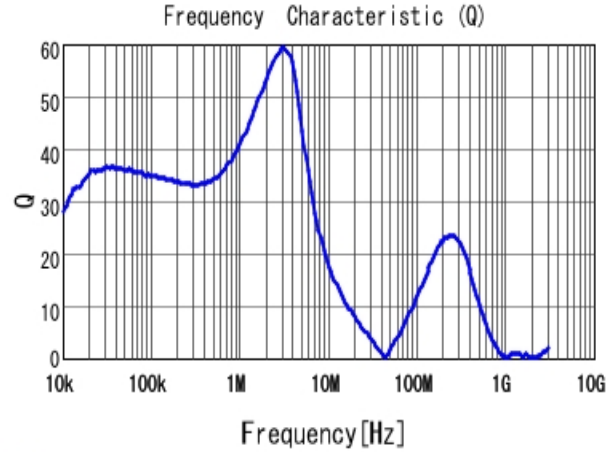


Characteristic Data

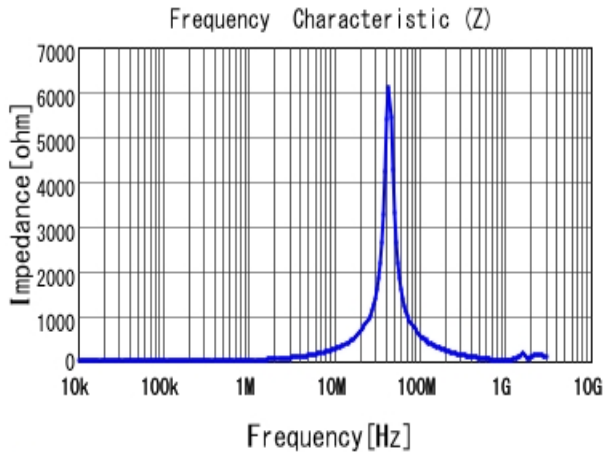
The charts below may show another part number which shares its characteristics.



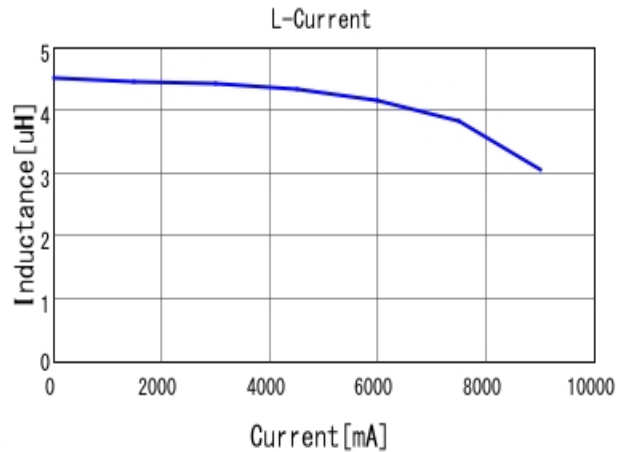
■ DEM8045Z-4R7N L



■ DEM8045Z-4R7N Q



■ DEM8045Z-4R7N |Z|



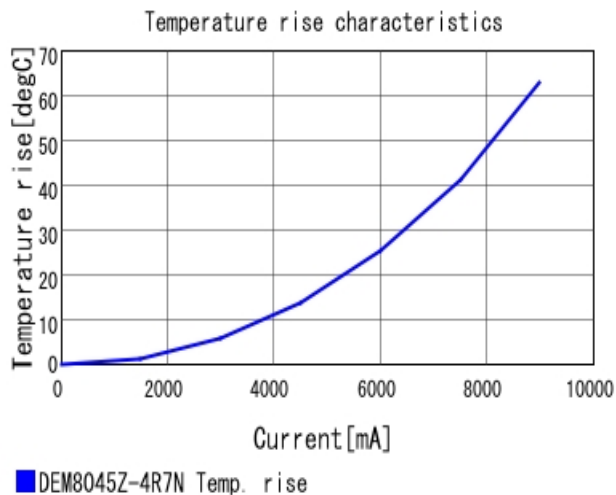
■ DEM8045Z-4R7N L-Current 20degC

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