

DEM8045Z-4R7N#

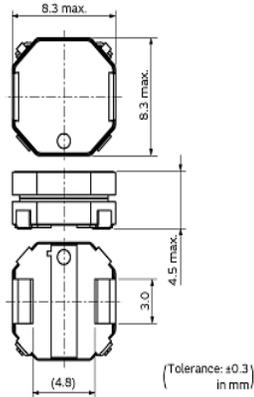
“#” indicates a package specification code.



< 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 (I_{sat}) is specified when the decrease of the initial inductance value at 30%. Rated current (I_{temp}) is specified when temperature of the inductor is raised 40°C by DC current.

Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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.

DEM8045Z-4R7N#

“#” indicates a package specification code.



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

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

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.

DEM8045Z-4R7N#

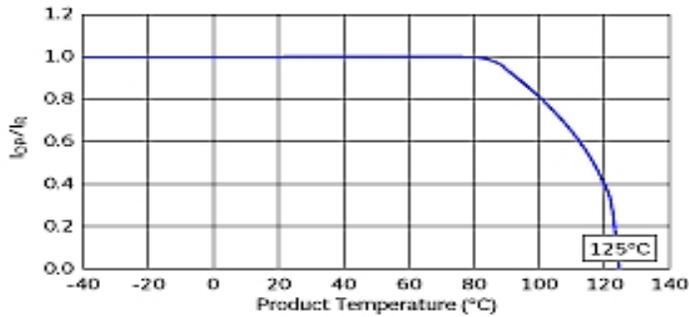
"#" indicates a package specification code.



Notice For General

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

Derating of Rated Current



Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

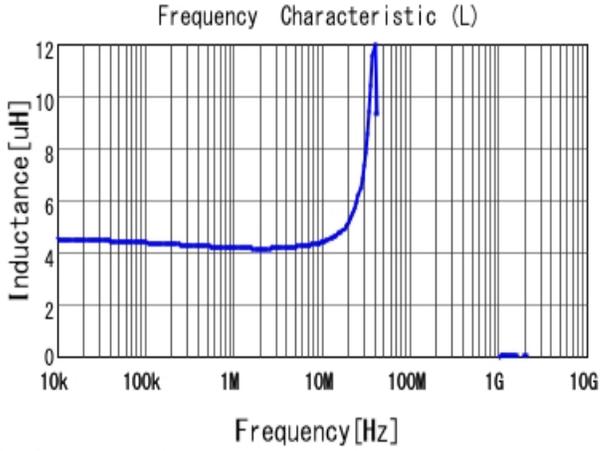
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

DEM8045Z-4R7N#

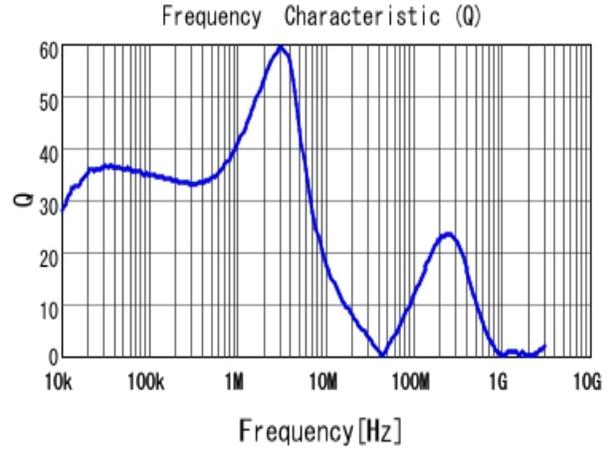
“#” indicates a package specification code.

Characteristic Data

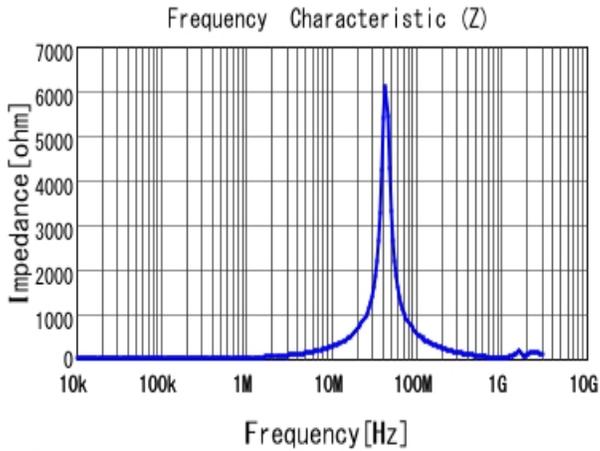
The charts below may show another part number which shares its characteristics.



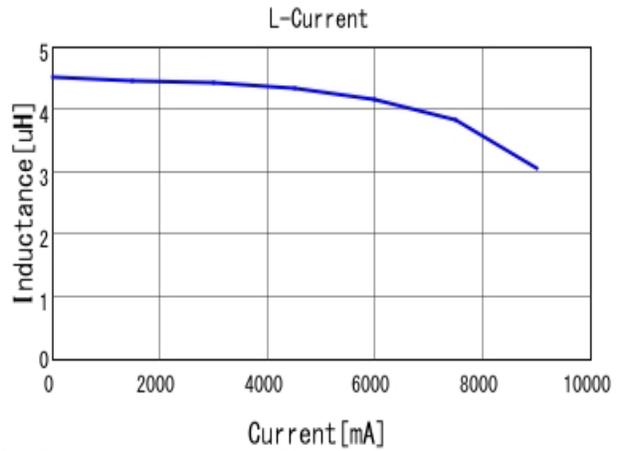
■ DEM8045Z-4R7N L



■ DEM8045Z-4R7N Q



■ DEM8045Z-4R7N |Z|



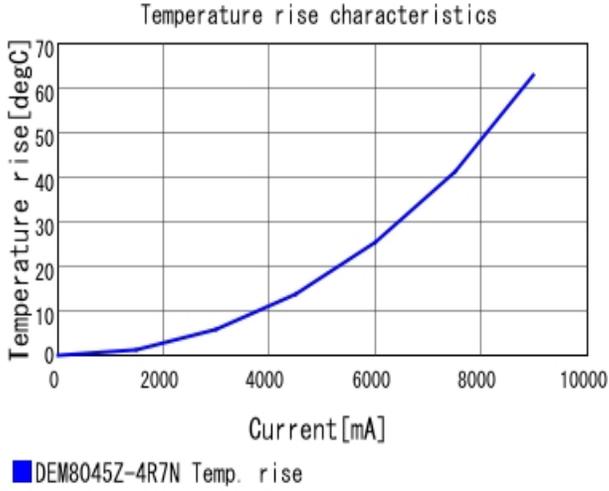
■ DEM8045Z-4R7N L-Current 20degC

Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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.

DEM8045Z-4R7N#

“#” indicates a package specification code.



Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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.