

# MDH7045C-2R2NB#

“#” indicates a package specification code.

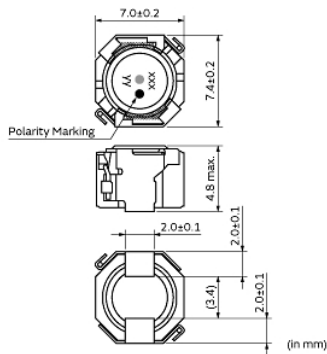
Superior vibration proof capability



< List of part numbers with package codes >

MDH7045C-2R2NB=P3

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
=P3	330Embossed Tape	1000
Mass (typ.)		
1 piece		0.75g

## Notices

The saturation allowable DC current value is specified when the decrease of the nominal inductance value at 30%. Rated current (based on temperature rise) is specified when temperature of the inductor on our PCB for test purpose is raised 40°C by DC current.

### Attention

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## Specifications

L size	7.4±0.2mm
W size	7.0±0.2mm
T size	4.5±0.3mm
Size code inch (mm)	2928 (7470)
Inductance	2.2μH±30%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	5800mA
Rated current (Itemp) (Based on Temperature rise)	4100mA
Max. of DC resistance	0.0169Ω
Operating Temperature Range (Self-temperature rise is included)	-55°C to 150°C
Class of magnetic shield	Ferrite Core
Brand	Murata
DC Resistance Intermediate Values	0.013Ω±30%
Series	MDH7045C

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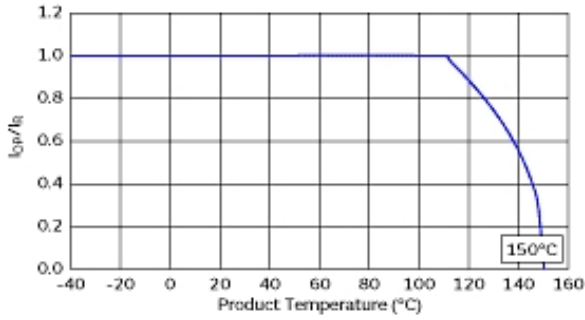
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## Notice For General

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

Derating of Rated Current



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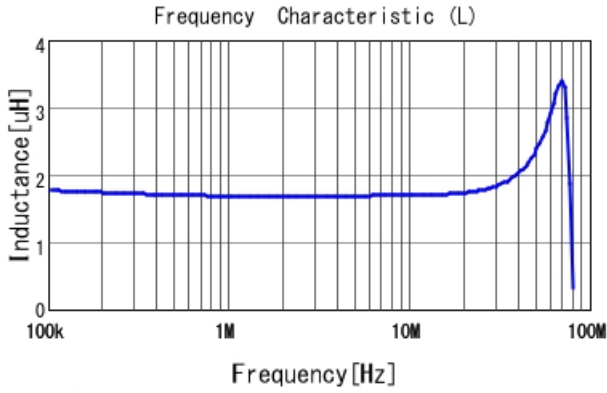
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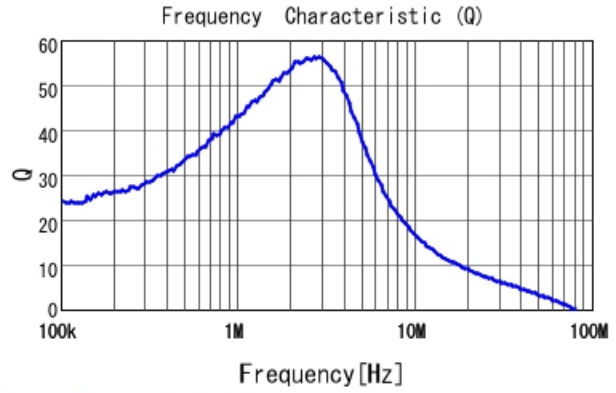


## Characteristic Data

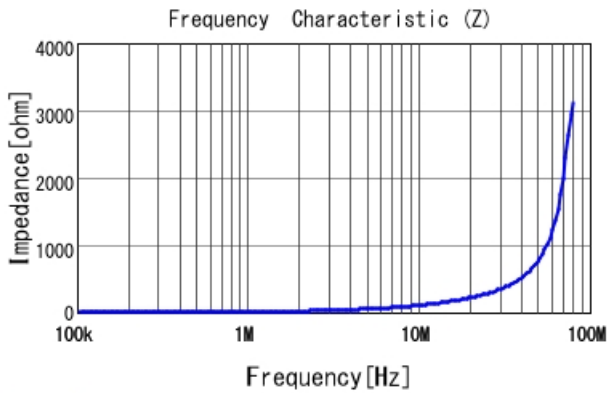
The charts below may show another part number which shares its characteristics.



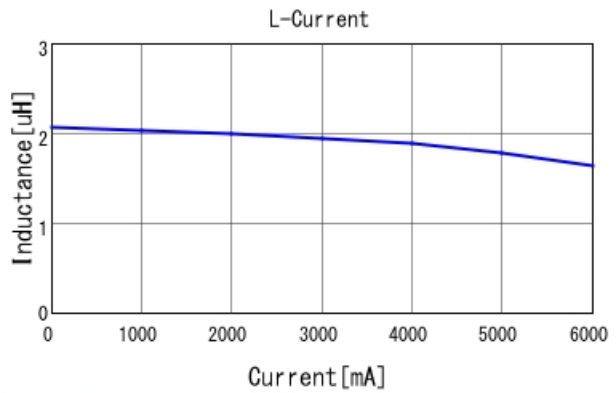
MDH7045C-2R2NB L



MDH7045C-2R2NB Q



MDH7045C-2R2NB |Z|



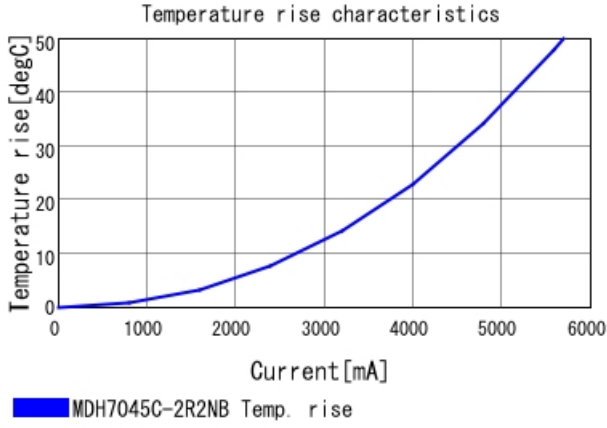
MDH7045C-2R2NB L-Current 20degC

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