

# MDH12577C-470MA#

“#” indicates a package specification code.

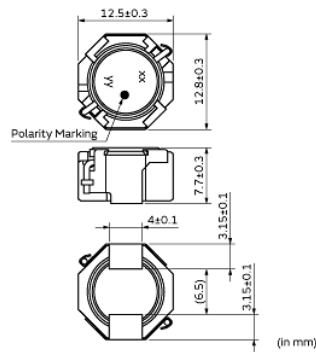
Superior vibration proof capability



< List of part numbers with package codes >

MDH12577C-470MA=P3

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
=P3	330Embossed Tape	300
Mass (typ.)		
1 piece		3.9g

## 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	12.8±0.3mm
W size	12.5±0.3mm
T size	7.7±0.3mm
Size code inch (mm)	5049 (128125)
Inductance	47μH±20%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	3400mA
Rated current (Itemp) (Based on Temperature rise)	2100mA
Max. of DC resistance	0.0858Ω
Operating Temperature Range (Self-temperature rise is included)	-55°C to 150°C
Class of magnetic shield	Ferrite Core
DC Resistance Intermediate Values	0.066Ω±30%
Series	MDH12577C

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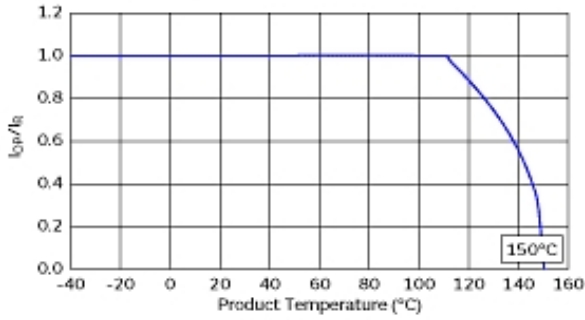
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## Notice For General

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

Derating of Rated Current



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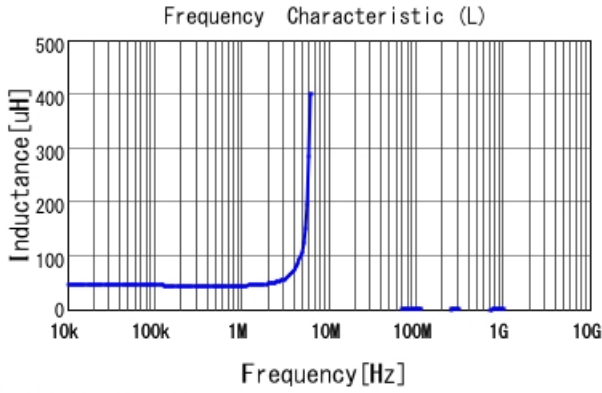
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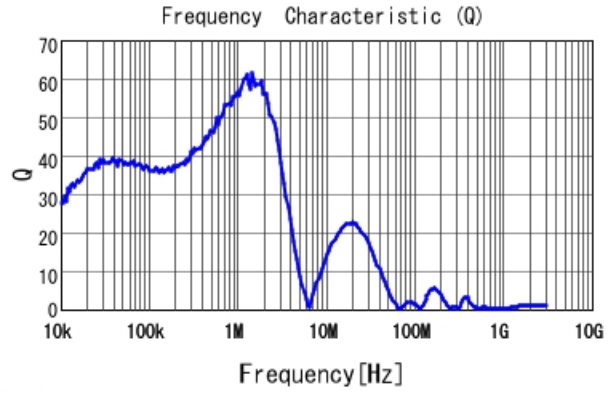


## Characteristic Data

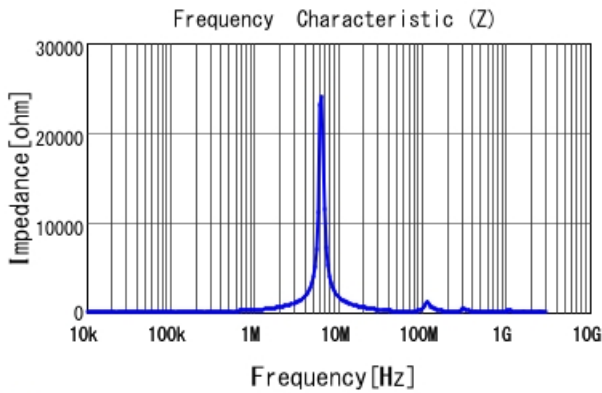
The charts below may show another part number which shares its characteristics.



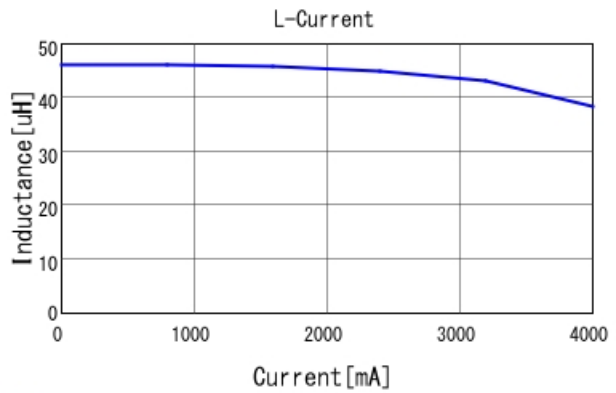
■ MDH12577C-470MA L



■ MDH12577C-470MA Q



■ MDH12577C-470MA |Z|



■ MDH12577C-470MA L-Current 20degC

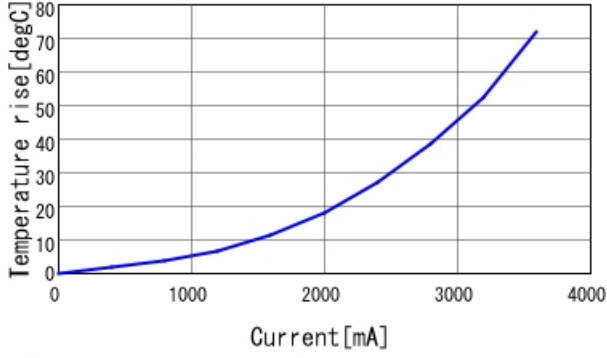
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Temperature rise characteristics



■ MDH12577C-470MA Temp. rise

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