

# MDH6045C-6R8NA#

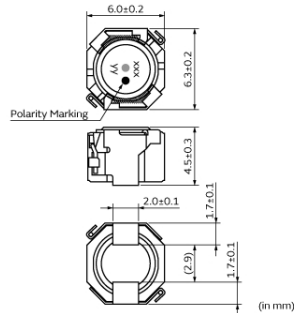
“#” indicates a package specification code.

Comply with ISO16750-3 (vibration test for Engine)



< List of part numbers with package codes >  
MDH6045C-6R8NA=P3

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
=P3	330Embossed Tape	1000
Mass (typ.)		
1 piece		0.55g

## 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**  
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.

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## Specifications

L size	6.3±0.2mm
W size	6.0±0.2mm
T size	4.5±0.3mm
Size code inch (mm)	2524 (6360)
Inductance	6.8μH±30%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	2500mA
Rated current (Itemp) (Based on Temperature rise)	2500mA
Max. of DC resistance	0.0351Ω
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	0.027Ω±30%
Series	MDH6045C

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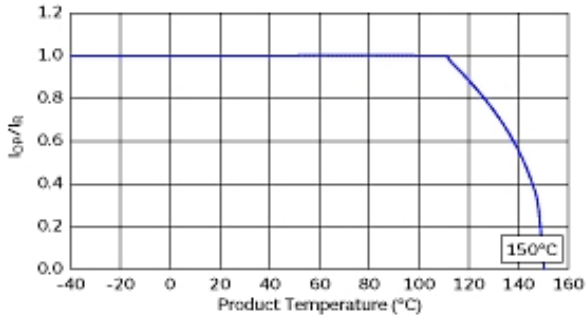
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## Notice For General

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

Derating of Rated Current



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