

Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of DFEH10040D-6R8M# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=DFEH10040D-6R8M%23

"#" indicates a package specification code.















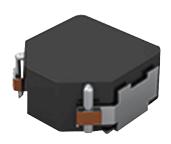


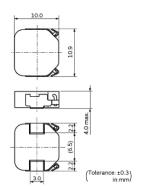


< List of part numbers with package codes > DFEH10040D-6R8M=P3



Appearance & Shape







References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| =P3 | 330Embossed Tape | 500 |

| Mass (typ.) | |
|-------------|---------|
| 1 piece | 2.1295g |



Notices

Rated current (Isat) is specified when the decrease of the initial inductance value at 20%. Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current.

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





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Specifications

| | 40.00 |
|---|----------------|
| L size | 10.9±0.3mm |
| W size | 10.0±0.3mm |
| T size | 4.0mm |
| Size code inch (mm) | 4339 (109100) |
| Inductance | 6.8µH±20% |
| Inductance Test Frequency | 0.1MHz |
| Rated current (Isat) (Based on Inductance change) | 6500mA |
| Rated current (Itemp) (Based on Temperature rise) | 6400mA |
| Max. of DC resistance | 0.023Ω |
| Operating Temperature Range (Self-temperature rise is included) | -40°C to 155°C |
| Class of magnetic shield | Metal Alloy |
| Absolute maximum voltage | 50Vdc |
| Brand | Murata |
| Series | DFEH10040D |

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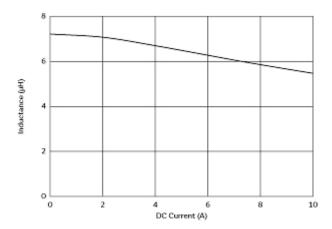
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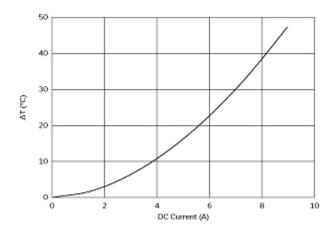
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Characteristic Data

DFEH10040D-6R8M#





Impedance - Current Characteristics

Temperature Increase Characteristic

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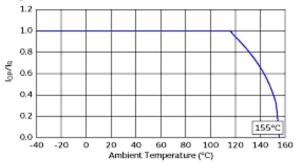
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Notice For General

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

Derating of Rated Current



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