

DFE32CAH3R3MR0#

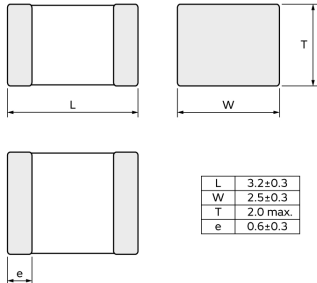
“#” indicates a package specification code.

The industry's highest class of saturation current and low resistance in 1210 size



< List of part numbers with package codes >
DFE32CAH3R3MR0L

Appearance & Shape



(in mm)

Notices

The saturation allowable DC current value is specified when the decrease of the initial Inductance value at 30%. When a rated current (based on Temperature rise) is applied, the temperature rise due to self-heating of the product is 40°C or less. Keep the product temperature (ambient temperature + self-heating) below 150°C.

The rated current value is the smaller of the rated current (based on Inductance change) or the rated current (based on Temperature rise). It can be considered for use with DCDC converters with a maximum voltage of 40 V or less.

References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| L | 180Embossed Tape | 2000 |

| Mass (typ.) | |
|-------------|---------|
| 1 piece | 0.0913g |

Attention

- 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.
- 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 | 3.2±0.3mm |
| W size | 2.5±0.3mm |
| T size | 2.0mm |
| Size code inch (mm) | 1210 (3225) |
| Inductance | 3.3μH±20% |
| Inductance Test Frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 3300mA |
| Rated current (Itemp) (Based on Temperature rise) | 2300mA |
| Max. of DC resistance | 0.067Ω |
| Operating Temperature Range (Self-temperature rise is included) | -55°C to 150°C |
| Class of magnetic shield | Metal Alloy |
| Brand | Murata |
| Series | DFE32CAH_R0 |

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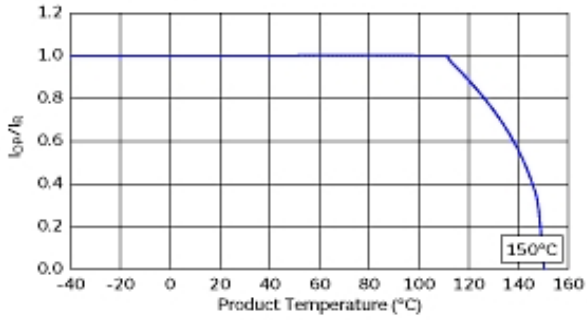
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Notice For General

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

Derating of Rated Current



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