

DFE18SBNR47ME0#

“#” at the end indicates the package specification code.

Size Code 1608 (0603) in mm (in inch), 0.8mm max. Thickness. Small and high performance, low DC resistance type.

Discontinued

RoHS

REACH

125
°C max.

Wound
(Metal)

Low Rdc
(ω)

Bias

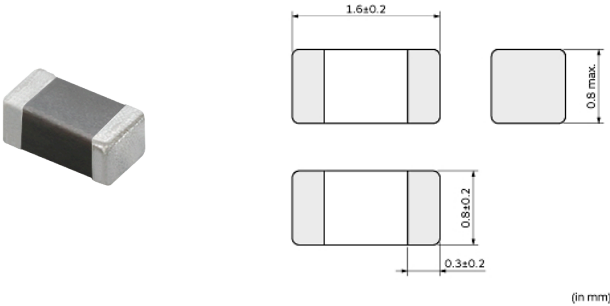
Reflow
OK

< List of part numbers with package codes >
DFE18SBNR47ME0L

Applications

| | |
|--------------------------|--|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | <p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment</p> <p>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.</p> |
| Recommended Applications | Consumer equipment |

Appearance & Shape



Notices

The saturation allowable DC current value is specified when the decrease of the initial inductance value at 30%. When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

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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References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| L | 180Embossed Tape | 3000 |

| Mass (typ.) | |
|-------------|---------|
| 1 piece | 0.0069g |

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Specifications

| | |
|--|------------------------|
| L size | 1.6±0.2mm |
| W size | 0.8±0.2mm |
| T size | 0.8mm |
| Size code inch (mm) | 0603 (1608) |
| Inductance | 0.47μH±20% |
| Inductance Test Frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 3100mA |
| Rated current (Itemp) (Based on Temperature rise) | 2400mA |
| Max. of DC resistance | 0.06Ω |
| Operating Temperature Range (Self-temperature rise is included) | -40°C to 125°C |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 85°C |
| Class of magnetic shield | Shielded (Metal Alloy) |
| Absolute maximum voltage | 20Vdc |
| Brand | Murata |
| Series | DFE18SBN_E0 |

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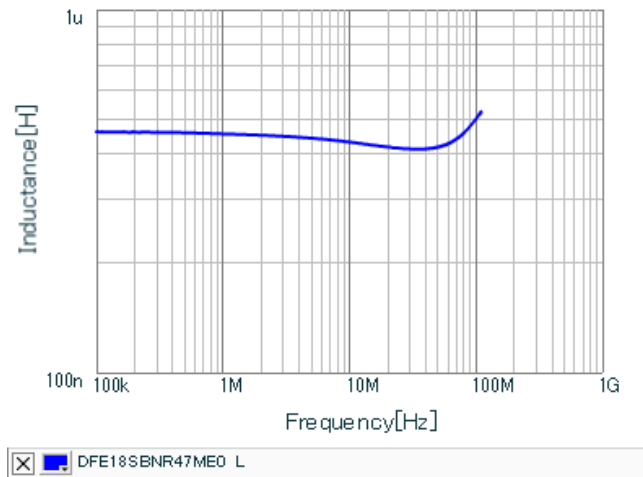
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Characteristic Data



Inductance - Frequency Characteristics

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