

# DFE18SAN1R0MG0#

“#” indicates a package specification code.

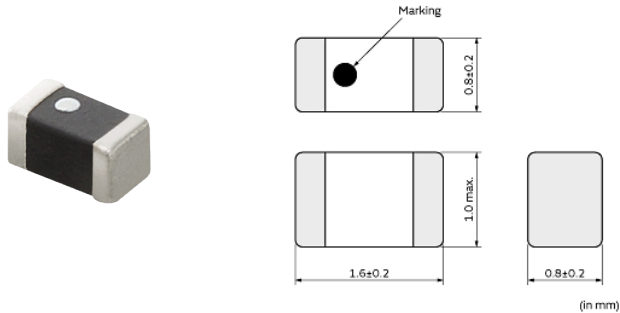
Size Code 1608 (0603) in mm (in inch), 1.0mm max. Thickness. Small and high performance type.



< List of part numbers with package codes >

DFE18SAN1R0MG0L

## Appearance & Shape



## References

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

| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 0.009g |

## 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.

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## Specifications

|                                                                    |                |
|--------------------------------------------------------------------|----------------|
| L size                                                             | 1.6±0.2mm      |
| W size                                                             | 0.8±0.2mm      |
| T size                                                             | 1.0mm          |
| Size code inch (mm)                                                | 0603 (1608)    |
| Inductance                                                         | 1μH±20%        |
| Inductance Test Frequency                                          | 1MHz           |
| Rated current (Isat) (Based on Inductance change)                  | 2100mA         |
| Rated current (Itemp) (Based on Temperature rise)                  | 1700mA         |
| Max. of DC resistance                                              | 0.128Ω         |
| Operating Temperature Range (Self-temperature rise is included)    | -40°C to 125°C |
| Class of magnetic shield                                           | Metal Alloy    |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 85°C  |
| Absolute maximum voltage                                           | 20Vdc          |
| Brand                                                              | Murata         |
| Series                                                             | DFE18SAN_G0    |

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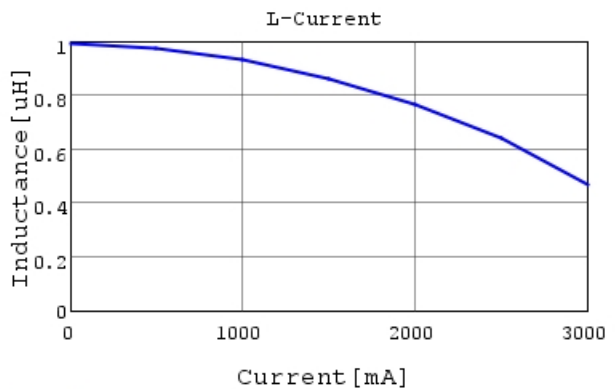
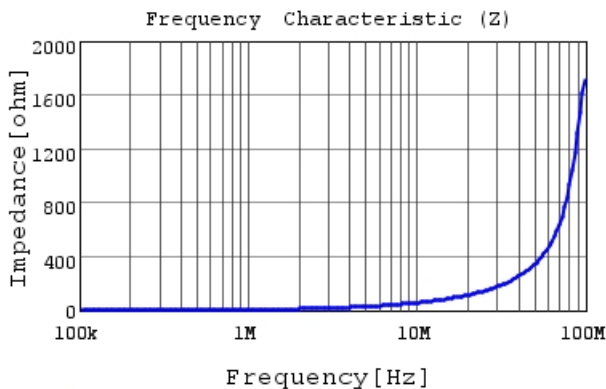
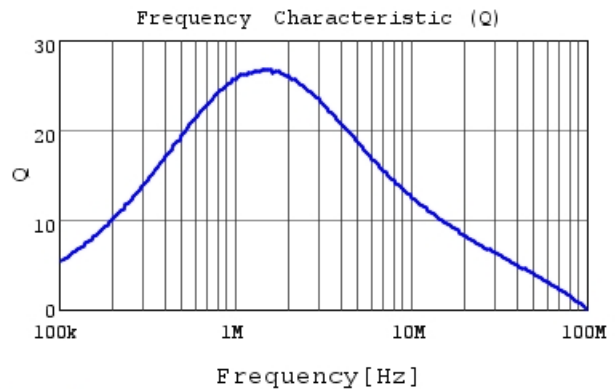
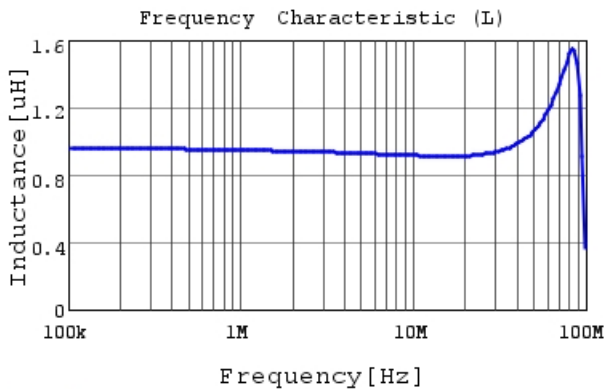
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## Characteristic Data

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



### Attention

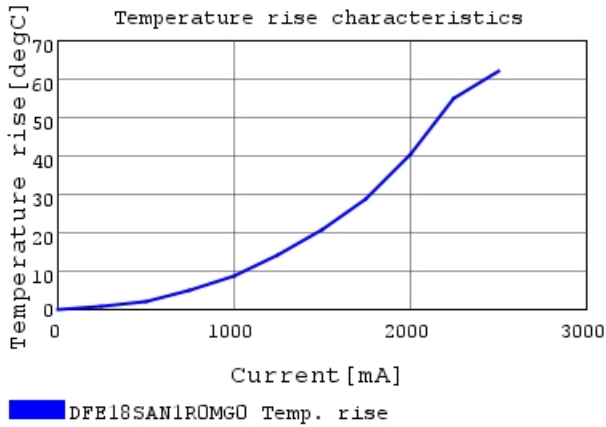
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