

# 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.

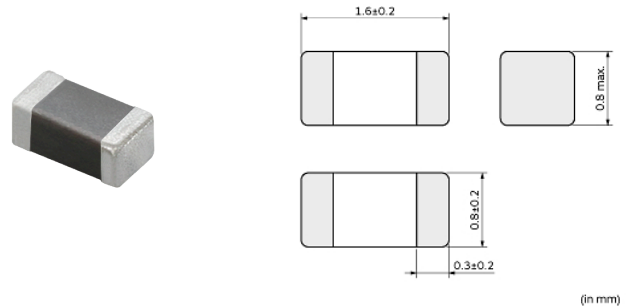


< List of part numbers with package codes >  
DFE18SBNR47ME0L

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment 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.
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, 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.

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.

# DFE18SBNR47ME0#

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



## References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.0069g

### 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.

# DFE18SBNR47ME0#

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



## 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

### Attention

1. 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.

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

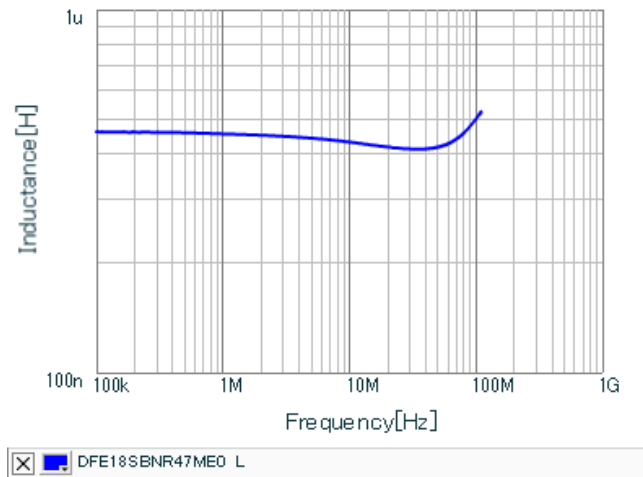
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

# DFE18SBNR47ME0#

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



## Characteristic Data



### Inductance - Frequency Characteristics

#### Attention

1. 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.

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.