

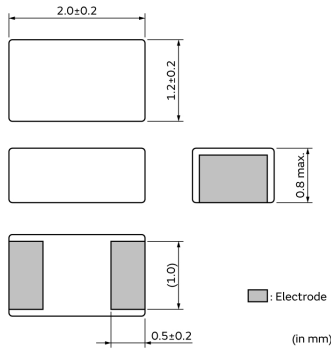
# DFE21CCNR47MEL#

“#” indicates a package specification code.



< List of part numbers with package codes >  
DFE21CCNR47MELL

## Appearance & Shape



## References

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

| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 0.013g |

## Notices

The saturation allowable DC current value is specified when the decrease of the initial Inductance value at 30%. The rated current (Based on the temperature rise) is the current value that reaches 40°C. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C. The rated current is the rated current based on inductance change and the rated current based on temperature rise, whichever is smaller one.

### 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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## Specifications

|   |                |
|---|----------------|
| L size  | 2.0±0.2mm      |
| W size  | 1.2±0.2mm      |
| T size  | 0.8mm          |
| Size code inch (mm)   | 0805 (2012)    |
| Inductance  | 0.47μH±20%     |
| Inductance Test Frequency                                       | 1MHz           |
| Rated current (Isat) (Based on Inductance change)               | 4800mA         |
| Rated current (Itemp) (Based on Temperature rise)               | 4100mA         |
| Max. of DC resistance   | 0.029Ω         |
| Operating Temperature Range (Self-temperature rise is included) | -40°C to 125°C |
| Class of magnetic shield  | Metal Alloy    |
| Absolute maximum voltage  | 20Vdc          |
| Series  | DFE21CCN_EL    |

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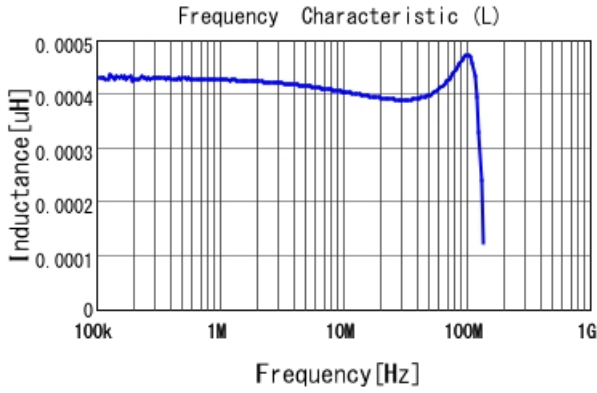
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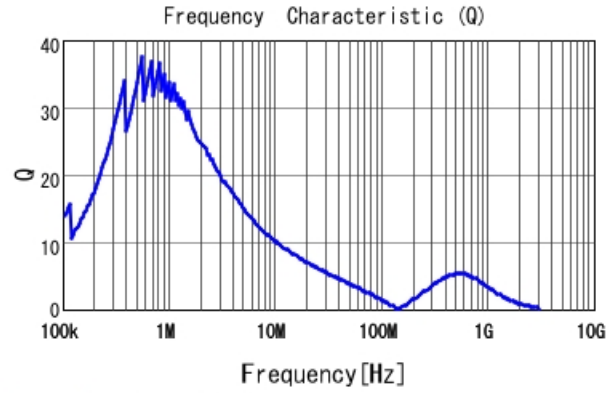


## Characteristic Data

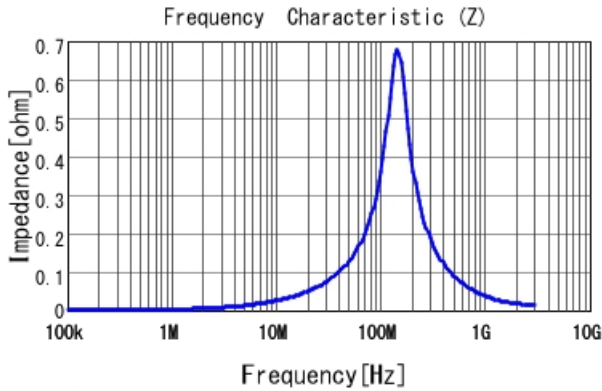
The charts below may show another part number which shares its characteristics.



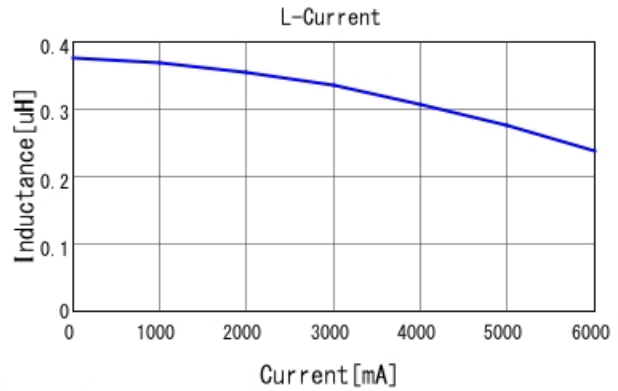
DFE21CCNR47MEL L



DFE21CCNR47MEL Q



DFE21CCNR47MEL |Z|



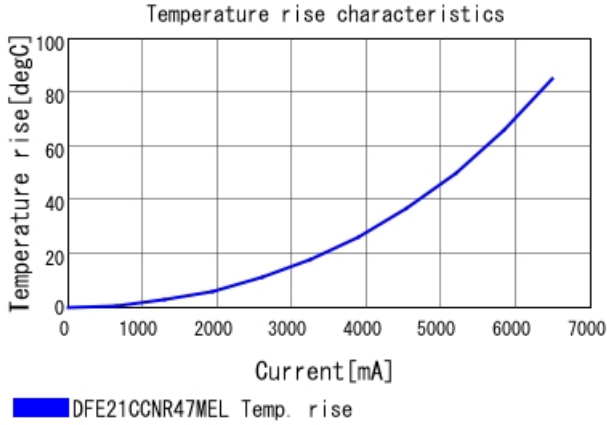
DFE21CCNR47MEL L-Current 20degC

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