

# BLF03JD421GZE#

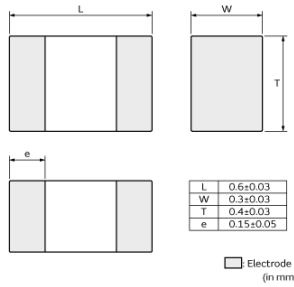
“#” indicates a package specification code.



< List of part numbers with package codes >

BLF03JD421GZED BLF03JD421GZEB

## Appearance & Shape



## Features

1. Frequency specified filters are designed to reduce noise greatly at specified frequency which greatly reduces the possibility of resonance and leaves signal wave forms undistorted. BLF series is effective in circuits without stable ground lines because BLF series does not need a connection to ground.
2. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
3. BLF03JD series is designed to have high impedance at 700MHz to 1GHz. Suitable for immunity noise suppression for GSM band.

## Applications

|                  |              |
|------------------|--------------|
| Automotive Usage | Infotainment |
|------------------|--------------|

## Packaging Information

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| D         | 180mm Paper Tape | 15000                  |
| B         | Bulk(Bag)        | 1000                   |

### 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

|                                 |                      |
|---------------------------------|----------------------|
| Shape                           | SMD                  |
| Size Code (in mm)               | 0603                 |
| Size Code (in inch)             | 0201                 |
| Length                          | 0.6mm                |
| Length Tolerance                | ±0.03mm              |
| Width                           | 0.3mm                |
| Width Tolerance                 | ±0.03mm              |
| Thickness                       | 0.4mm                |
| Thickness Tolerance             | ±0.03mm              |
| Impedance (at Target Frequency) | 420Ω±40% (at 700MHz) |
| Rated Current (at 85°C)         | 480mA                |
| Rated Current (at 125°C)        | 370mA                |
| DC Resistance(max.)             | 0.28Ω                |
| Operating Temperature Range     | -55°C to 125°C       |
| Mass(typ.)                      | 0.4mg                |
| Number of Circuit               | 1                    |

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