**EN:** This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

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http://www.murata.com/en-gb/products/productdetail?partno=BLM18EG221TN1%23

# BLM18EG221TN1#

"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

BLM18EG221TN1B BLM18EG221TN1D BLM18EG221TN1J

## Applications

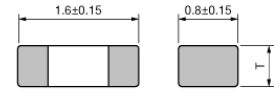
| | |
|---|---|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & operation & auto-dispenser equipment,Industrial equipment except for transportation & facility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

## Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|---|---|---|
| B | Bulk(Bag) | 1000 |
| D | 180mm Paper Tape | 4000 |
| J | 330mm Paper Tape | 10000 |

## Appearance & Shape






| Part Number | T |
|---|---|
| BLM18EG□□□T□1 | 0.5±0.15 |
| BLM18EG□□□S□1 | 0.8±0.15 |

: Electrode

(in mm)



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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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## Features

BLM18H/BLM18E series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

Features (BLM18H series)
1. BLM18H series realizes high impedance at 1GHz and is suitable for noise suppression from 500MHz to GHz range. The impedance value of HG/HD-type is about three times as large as that of A/B-type at 1GHz, though the impedance characteristic of HG/HD-type is similar to A/B-type at 100MHz or less.
2. HG-type is effective in noise suppression in wide frequency range (several MHz to several GHz). HB/HD-type for high-speed signal line provides a sharper roll-off after the cut-off frequency. HK-type for digital interface and HE-type for optical pickup modules are effective in suppressing the ringing because resistance especially grows in the lower frequency.
3. The magnetic shielded structure minimizes crosstalk.

Features (BLM18E series)
1. Low DC Resistance and a large Rated Current are suitable for noise suppression of the driver circuit.
2. Excellent direct current characteristics
3. Thin type (t=0.5mm) is suitable for small and low profile equipment such as DSC, cellular phones.



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# BLM18EG221TN1#

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## Specifications

| | |
|---|---|
| Shape | SMD |
| Size Code (in inch) | 0603 |
| Length | 1.6mm |
| Length Tolerance | ±0.15mm |
| Width | 0.8mm |
| Width Tolerance | ±0.15mm |
| Thickness | 0.5mm |
| Thickness Tolerance | ±0.15mm |
| Operating Temperature Range | -55℃ to 125℃ |
| Mass(typ.) | 0.004g |
| Number of Circuit | 1 |
| Rated Current (at 85℃) | 1A |
| Rated Current (at 125℃) | 1A |
| DC Resistance(max.) | 0.15Ω |
| Impedance (at 100MHz) | 220Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Impedance (at 1GHz) | 300Ω |
| Impedance (at 1GHz) Tolerance | (Typ.) |
| Size Code (in mm) | 1608 |



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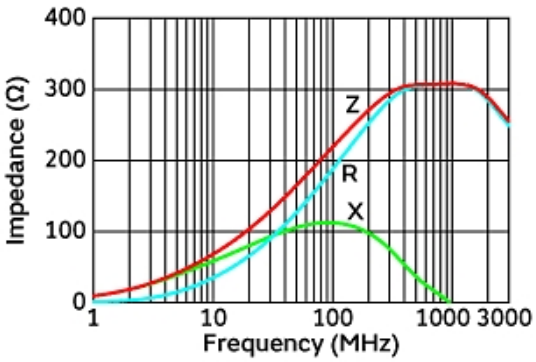
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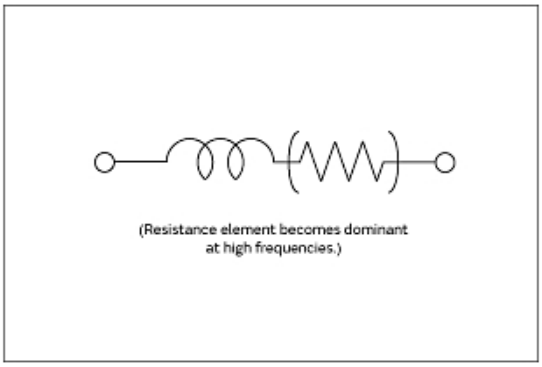
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## Product Data




Impedance-Frequency Characteristics




Equivalent Circuit



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