

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18HE152SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLM18HE152SH1%23

"#"at the end indicates the package specification code.









< List of part numbers with package codes >

BLM18HE152SH1B

BLM18HE152SH1D

BLM18HE152SH1J



Applications

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
	Automotive powertrain/safety equipment,		
	Automotive infotainment/comfort		
	equipment,Consumer equipment,		
	Medical equipment [GHTF A/B/C]		
	except for implant & surgery & auto		
	injector,Industrial Equipment		
Specific	Please refer to Our Website and		
Applications	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	Automobile a pour mario (a afatre a su il manut		
Applications	Automotive powertrain/safety equipment		



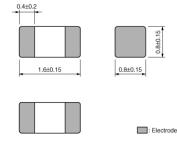
Packaging Information

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



Appearance & Shape





(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.



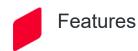


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BLM18H/BLM18E series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

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)

- 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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Specifications

Shape	SMD
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.8mm
Thickness Tolerance	±0.15mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 85°C)	500mA
Rated Current (at 125°C)	400mA
DC Resistance(max.)	0.5Ω
Impedance (at 100MHz)	1500Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	1500Ω
Impedance (at 1GHz) Tolerance	(Тур.)
Size Code (in mm)	1608

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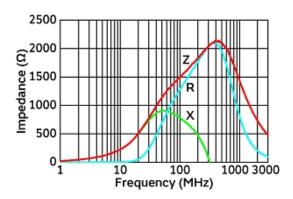
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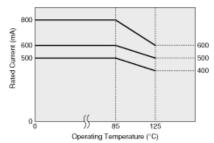
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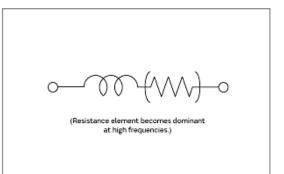


In operating temperature exceeding +85°C, derating of current is necessary for BLM18HE series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current

Equivalent Circuit

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