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INNOVATOR IN ELECTRONICS

Product Search Data Sheet

GC331BD72J103KX01#

"#" indicates a package specification code.

In Production | **Power-train** | **AEC-Q200** | **RoHS** | **REACH** | **125 °C max.** | **Low acoustic noise** | **Reflow OK** | **Flow OK**

< List of part numbers with package codes >

GC331BD72J103KX01L   GC331BD72J103KX01K

Appearance & Shape

References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	3000
K	330Embossed Tape	10000

Mass (typ.)	
1 piece	40.0mg
φ180mm Reel	170g

Notices

Large Capacitance and High Allowable Ripple Current

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URL : https://www.murata.com/

Last updated08/10/2021

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Note: This datasheet may be out of date.

Please download the latest datasheet of GC331BD72J103KX01# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=GC331BD72J103KX01%23

GC331BD72J103KX01#

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Specifications

Length	3.2±0.2mm
Width	1.6±0.2mm
Thickness	1.25+0/-0.3mm
Capacitance	10000pF ±10%
Distance between external terminals g	1.2mm min.
External terminal size e	0.3mm min.
Operating Temperature Range	-55℃ to 125℃
Rated Voltage	630Vdc
Size code in inch(mm)	1206 (3216M)
Capacitance change rate	+22.0/-33.0%
Temperature characteristics (complied standard)	X7T(EIA)
Temperature range of temperature characteristics	-55℃ to 125℃

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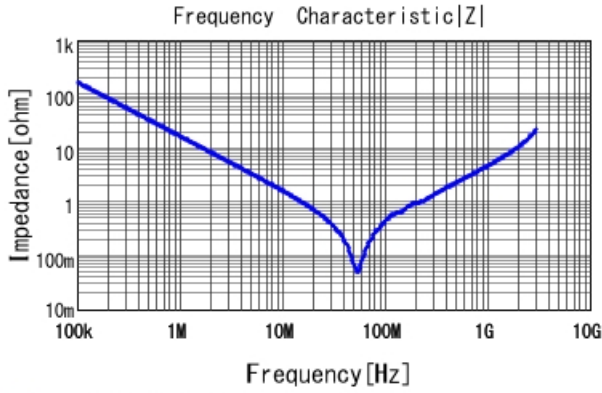http://www.murata.com/en/products/productdetail?partno=GC331BD72J103KX01%23

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Characteristic Data

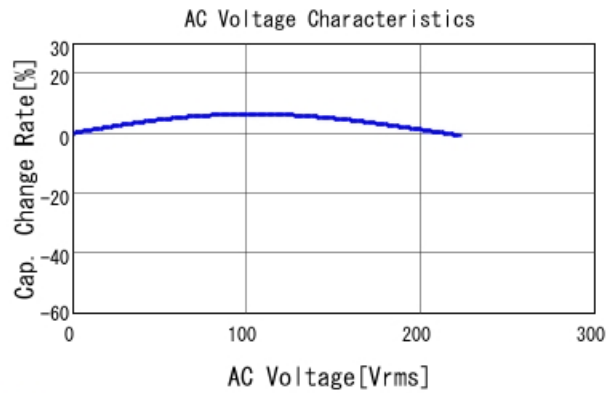The charts below may show another part number which shares its characteristics.

Frequency Characteristic|Z|

■GC331BD72J103KX01 |Z| DC0V, 25degC

Frequency CharacteristicR
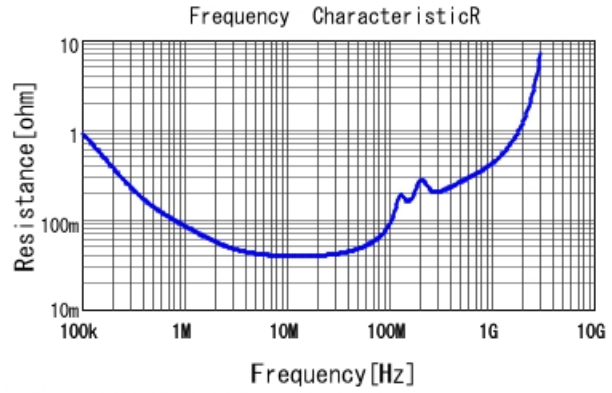
■GC331BD72J103KX01 R DC0V, 25degC

DC bias characteristics
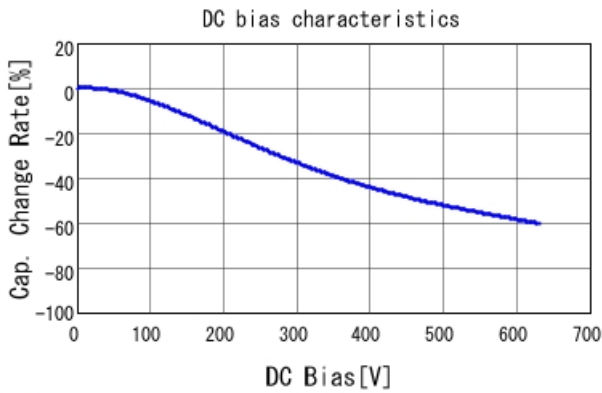
■GC331BD72J103KX01 C-DC bias capchange, 25.0degC, AC1V

AC Voltage Characteristics

■GC331BD72J103KX01 C-AC Voltage capchange, DC0V, 25.0d

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GC331BD72J103KX01#

"#" indicates a package specification code.

Temperature Characteristics

GC331BD72J103KX01 C-Temp. capchange, DC0V, AC1Vrms

Temp.Rise from ripple Characteristics
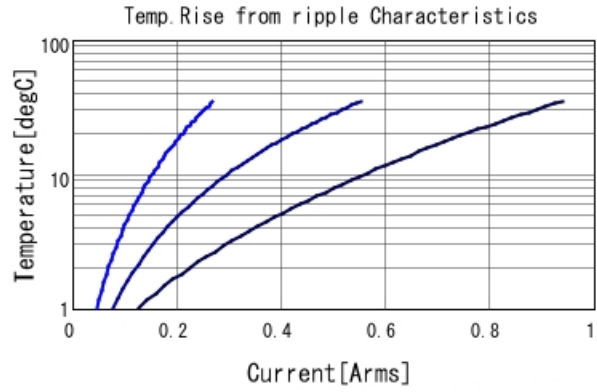
GC331BD72J103KX01 Temp.rise ■30kHz ■100kHz ■300kH

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.