muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of GRT31CR6YA106KE01# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=GRT31CR6YA106KE01%23

GRT31CR6YA106KE01#

"#" indicates a package specification code.

| In Production | Info-tainment | AEC-Q200 | RoHS | REACH | 85 ℃ max. | Reflow OK | Flow OK | Derating 1 |

< List of part numbers with package codes >

GRT31CR6YA106KE01L   GRT31CR6YA106KE01K

Appearance & Shape

References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	2000
K	330Embossed Tape	6000

Mass (typ.)	
1 piece	52.0mg
φ180mm Reel	144g

Notices

Derating1

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Specifications

Length	3.2±0.2mm
Width	1.6±0.2mm
Thickness	1.6±0.2mm
Capacitance	10µF ±10%
Distance between external terminals g	1.5mm min.
External terminal size e	0.3 to 0.8mm
Operating Temperature Range	-55℃ to 85℃
Rated Voltage	35Vdc
Size code in inch(mm)	1206 (3216M)
Capacitance change rate	±15.0%
Temperature characteristics (complied standard)	X5R(EIA)
Temperature range of temperature characteristics	-55℃ to 85℃

Attention

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2.This datasheet has only typical specifications because there is no space for detailed specifications.

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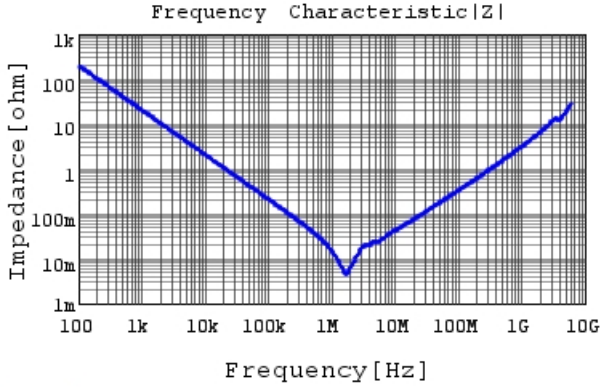
GRT31CR6YA106KE01#

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Characteristic Data

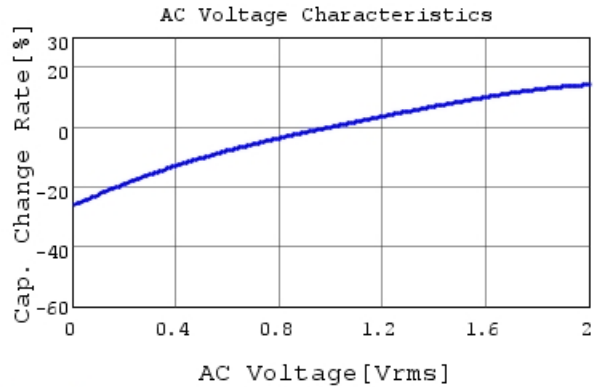The charts below may show another part number which shares its characteristics.

Frequency Characteristic|Z|

GRT31CR6YA106KE01 |Z| DC0V,25degC

Frequency CharacteristicR

GRT31CR6YA106KE01 R DC0V,25degC

DC bias characteristics
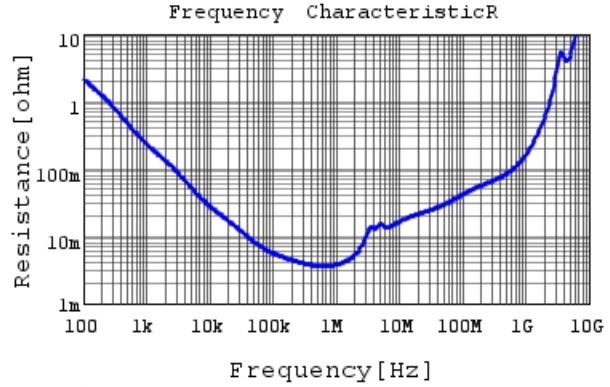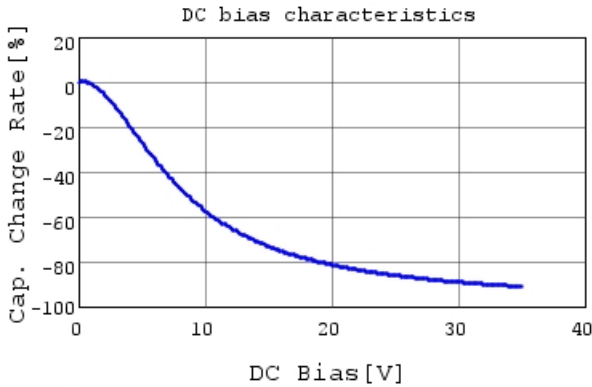
GRT31CR6YA106KE01 C-DC bias capchange, 25.0℃

AC Voltage Characteristics

GRT31CR6YA106KE01 C-AC Voltage capchange, DC

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GRT31CR6YA106KE01#

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Temperature Characteristics
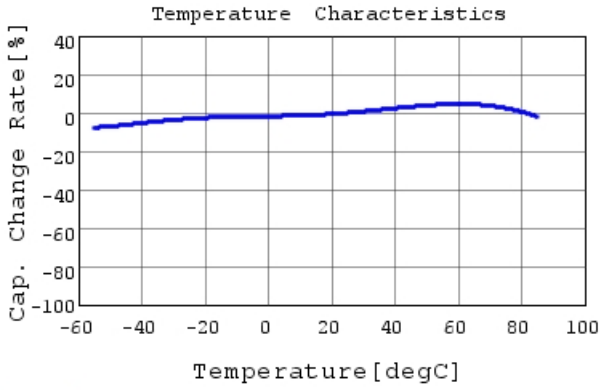
GRT31CR6YA106KE01 C-Temp. capchange, DC0.0V,

Temp.Rise from ripple Characteristics
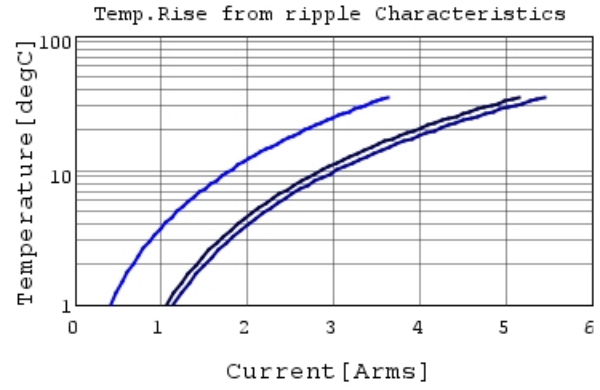
GRT31CR6YA106KE01 Temp.rise ——80kHz ——

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