

GRT31CR61H106KE01#

“#” at the end indicates the package specification code.

● In Production

AEC-Q200 Compliant Chip Multilayer Ceramic Capacitors for Automotive Infotainment/Comfort Equipment & Industrial Equipment

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GRT31CR61H106KE01L,GRT31CR61H106KE01K

Applications

Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<p><u>Industrial Equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTE A/B/C] except for implant equipment</u></p> <p>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.</p>

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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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Appearance & Shape



Chip size code (mm/inch)	3216M/1206
Length	3.2mm ±0.2mm
Width	1.6mm ±0.2mm
Thickness	1.6mm ±0.2mm
External terminal size€	0.3 ~ 0.8mm

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Specifications

Temperature characteristics (complied standard)	EIA
Temperature characteristics	X5R
Temperature range of temperature characteristics	-55 ~ 85°C
Operating Temperature	-55 ~ 85°C
Capacitance	10μF
Tolerance of capacitance	±10%
Rated Voltage DC	50Vdc

References

Packaging	Specifications 	Standard Packing Quantity
L	φ180mm Reel Embossed Tape	2000
K	φ330mm Reel W8P4* Embossed Tape	6000

Mass(Typ.)	
1 piece	52mg

Attention

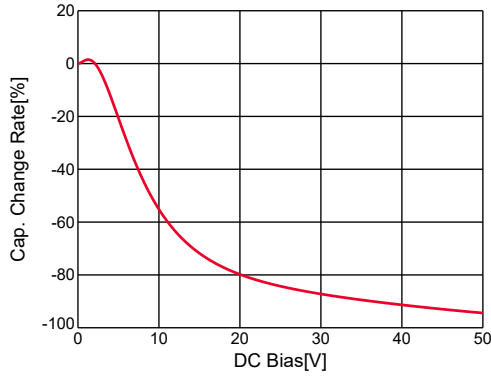
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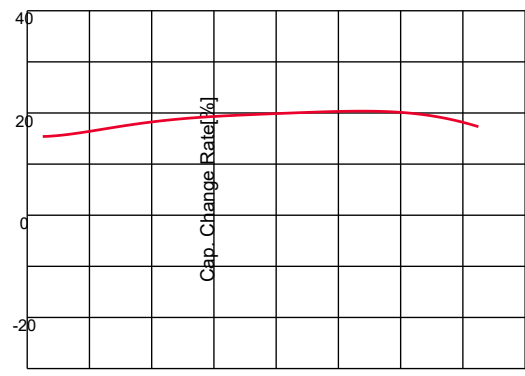
Basic

C-DC bias(Cap Change)



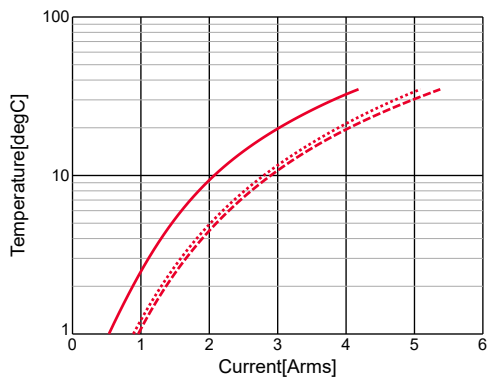
GRT31CR61H106KE01#,C-DC bias,capchange, 25.0degC, AC1.0Vrms

C-Temp.(Cap Change)



GRT31CR61H106KE01#,C-Temp.,capchange, DC0.0V, AC1.0Vrms

Temp.rise



GRT31CR61H106KE01#,Temp.rise

- 100kHz
- 500kHz
- 1MHz

Attention

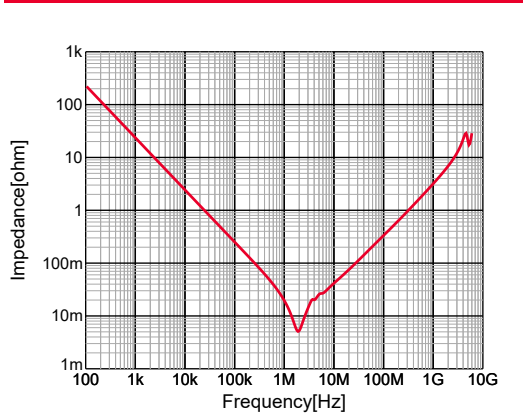
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Frequency Characteristic

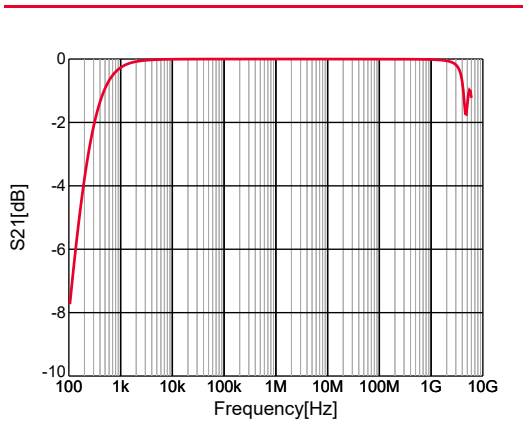
|Z|



GRT31CR61H106KE01#,|Z|,DC0V,25degC

S-parameter

S21



GRT31CR61H106KE01#,S21,DC0V,25degC,series

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