

GXT155R71C103KE01#

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

● In Production

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

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GXT155R71C103KE01D,GXT155R71C103KE01J,GXT155R71C103KE01V,GXT155R71C103KE01W

Applications

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

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.

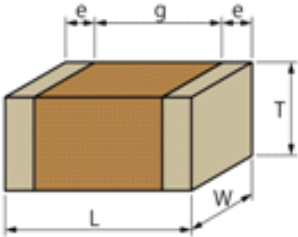
2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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Appearance & Shape



Chip size code (mm/inch)	1005M/0402
Length	1mm ±0.05mm
Width	0.5mm ±0.05mm
Thickness	0.5mm ±0.05mm
External terminal size€	0.15 ~ 0.35mm

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Specifications

Temperature characteristics (complied standard)	EIA
Temperature characteristics	X7R
Temperature range of temperature characteristics	-55 ~ 125℃
Operating Temperature	-55 ~ 125℃
Capacitance	10,000pF
Tolerance of capacitance	±10%
Rated Voltage DC	16Vdc

References

Packaging	Specifications 	Standard Packing Quantity
D	φ180mm Reel W8P2* Paper Tape	10000
J	φ330mm Reel W8P2* Paper Tape	50000
V	φ330mm Reel W8P1* Paper Tape	100000
W	φ180mm Reel W8P1* Paper Tape	20000

Mass(Typ.)	
1 piece	1.6mg

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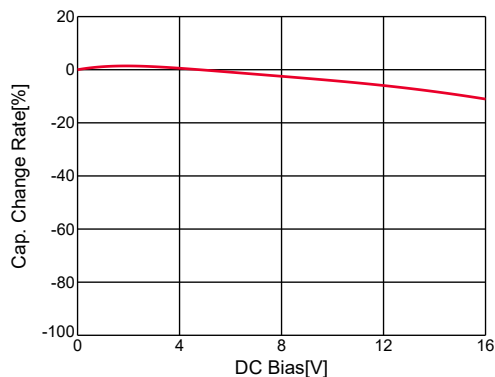
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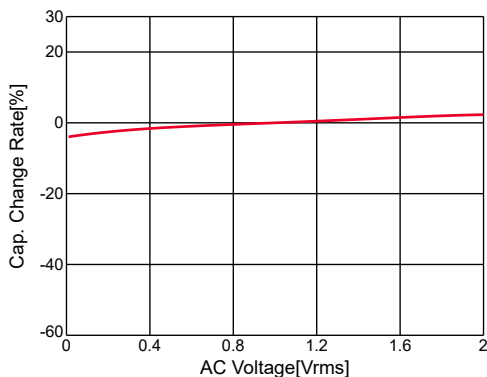
Basic

C-DC bias(Cap Change)



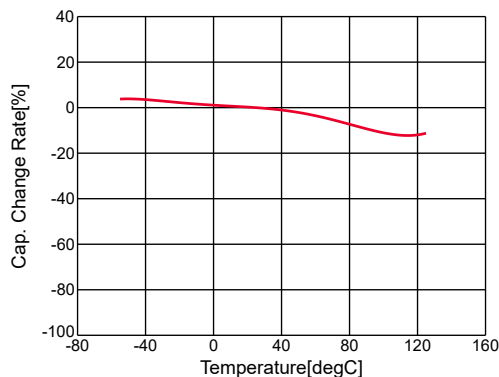
GXT155R71C103KE01#,C-DC bias,capchange,
25.0degC, AC1.0Vrms

C-AC voltage(Cap Change)



GXT155R71C103KE01#,C-AC Voltage,capchange,
DC0V, 25.0degC

C-Temp.(Cap Change)



GXT155R71C103KE01#,C-Temp.,capchange, DC0.0V,
AC1.0Vrms

Attention

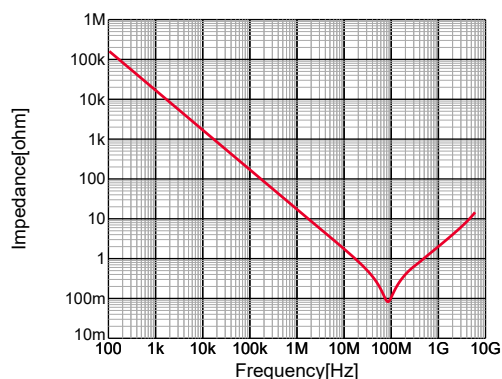
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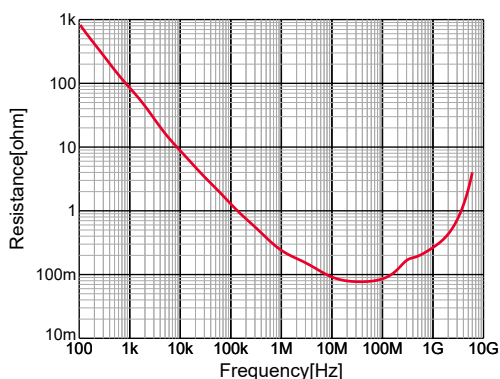
Frequency Characteristic

|Z|



GXT155R71C103KE01# ,|Z|,DC0V,25degC

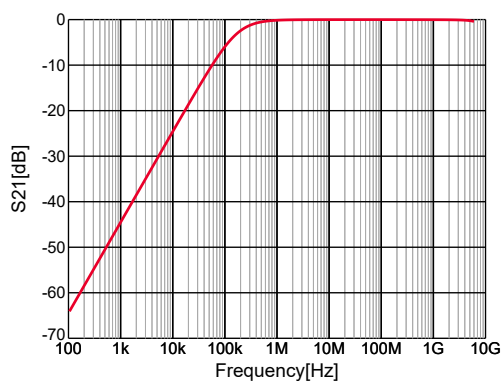
R



GXT155R71C103KE01# ,R,DC0V,25degC

S-parameter

S21



GXT155R71C103KE01# ,S21,DC0V,25degC,series

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