



GCM1555C1H470JA16#

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

● In Production
Chip Multilayer Ceramic Capacitors for Automotive Powertrain/Safety Equipment
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GCM1555C1H470JA16D,GCM1555C1H470JA16J,GCM1555C1H470JA16V,GCM1555C1H470JA16W

Applications

Unsuitable Applications	Please be sure to read and comply with these " Precautions for use ".
Specific Applications	<u>Automotive infotainment/comfort equipment, Automotive powertrain/safety 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.

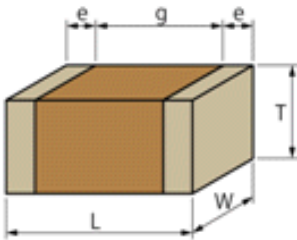
Attention

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	COG

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Temperature range of temperature characteristics	25 ~ 125°C
Operating Temperature	-55 ~ 125°C
Capacitance	47pF
Tolerance of capacitance	±5%
Rated Voltage DC	50Vdc

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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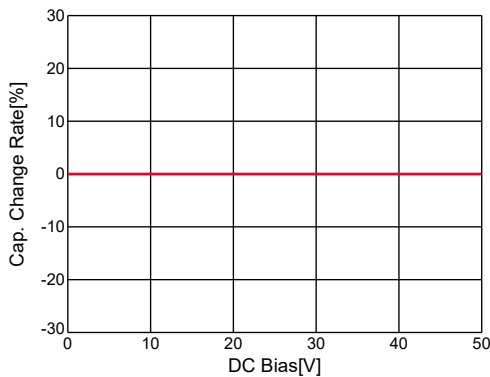
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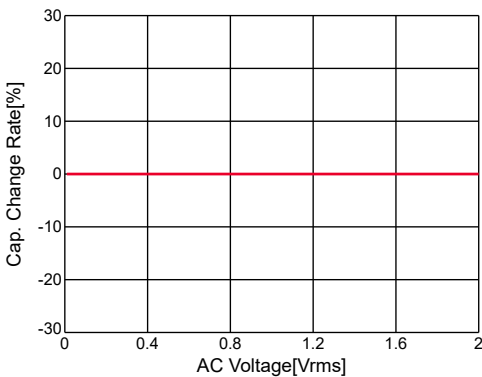
Basic

C-DC bias(Cap Change)



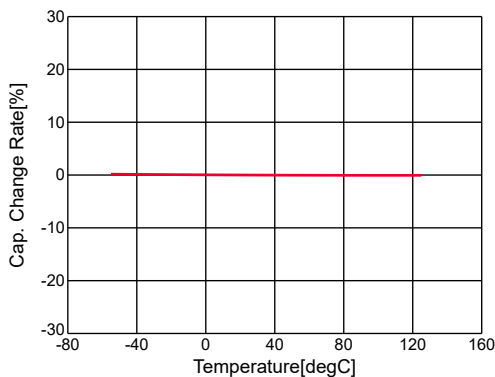
GCM1555C1H470JA16#,C-DC bias,capchange, 25.0degC, AC1Vrms

C-AC voltage(Cap Change)



GCM1555C1H470JA16#,C-AC Voltage,capchange, DC0V, 25.0degC

C-Temp.(Cap Change)



GCM1555C1H470JA16#,C-Temp.,capchange, DC0V, AC1Vrms

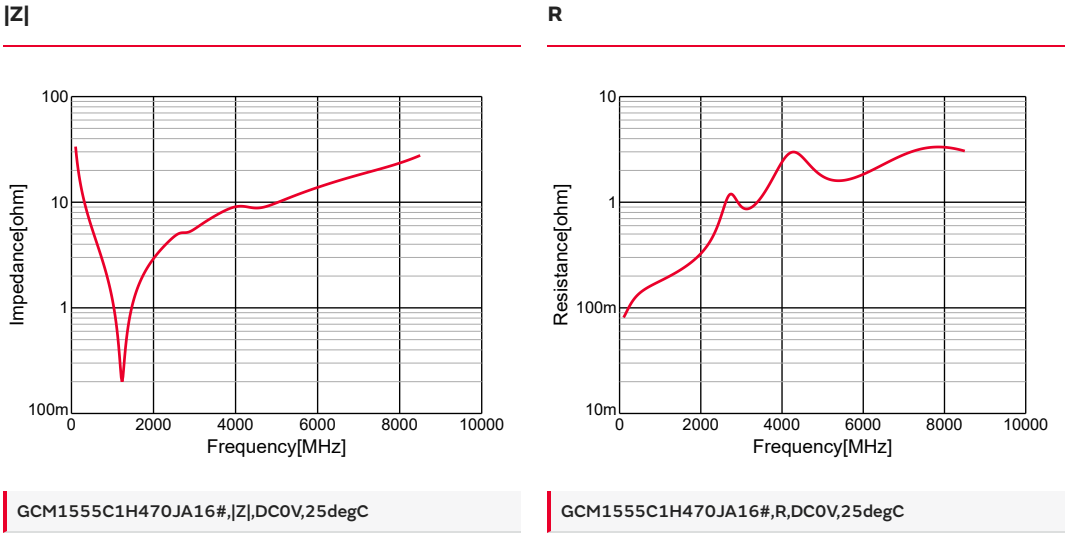
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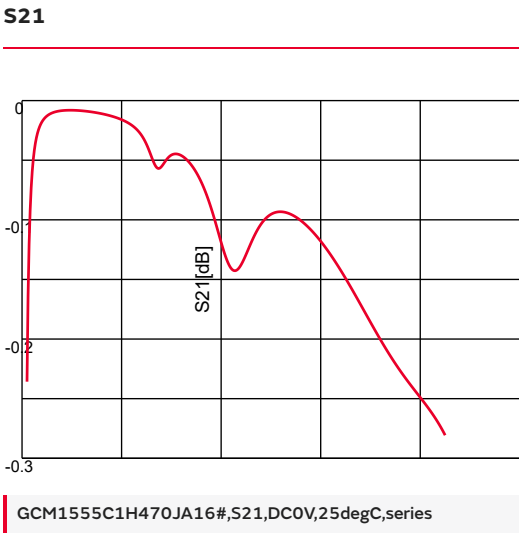
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Frequency Characteristic



S-parameter



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