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GCM21BR71E22#5#A7e3#indicates the package specification code.

In Production

Chip Multilayer Ceramic Capacitors for Automotive Powertrain/Safety Equipment

GCM21BR71E225KA73#

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













GCM21BR71E225KA73L,GCM21BR71E225KA73K

Applications

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

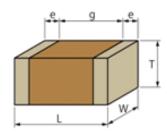
Attention

- 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.
- $2. This \ data{sheet has only typical specifications because there is no space for \ detailed \ specifications.}$

GCM21BR71E22#5#A763#Indicates the package specification code.

Appearance & Shape





Chip size code (mm/inch)	2012M/0805
Length	2mm ±0.15mm
Width	1.25mm ±0.15mm
Thickness	1.25mm ±0.15mm
External terminal size€	0.2 ~ 0.7mm

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Specifications			
Temperature characteristics (complied standard)	EIA		
Temperature characteristics	X7R		

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Temperature range of temperature characteristics	-55 ~ 125°C
Operating Temperature	-55 ~ 125°C
Capacitance	2.2µF
Tolerance of capacitance	±10%
Rated Voltage DC	25Vdc

References

Packaging	Specifications ?	Standard Packing Quantity
L	φ180mm Reel W8P4* Embossed Tape	3000
К	φ330mm Reel W8P4* Embossed Tape	10000

Mass(Typ.)	
1 piece	17mg

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GCM21BR71E22#5#A7e3#Indicates the package specification code.

Basic C-DC bias(Cap Change) C-AC voltage(Cap Change) 30 20 Cap. Change Rate[%] Cap. Change Rate[%] -40 -80 -60L -100L 0.4 1.6 DC Bias[V] AC Voltage[Vrms] GCM21BR71E225KA73#,C-DC bias,capchange, GCM21BR71E225KA73#,C-AC Voltage,capchange, 25.0degC, AC1Vrms DCOV, 25.0degC C-Temp.(Cap Change) Temp.rise 100 20 Cap. Change Rate[%] [emperature[degC] -20 -60 -80 -100L -80 -40 120 160 Temperature[degC] Current[Arms] GCM21BR71E225KA73#,Temp.rise

Attention

AC0.9Vrms

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✓ 500kHz

100kHz

✓ 1MHz

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

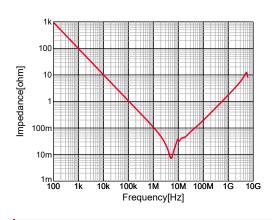
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

GCM21BR71E225KA73#,C-Temp.,capchange, DC0.0V,

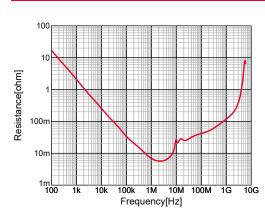
GCM21BR71E22#5#A7e3#Indicates the package specification code.







R



GCM21BR71E225KA73#,|Z|,DC0V,25degC

GCM21BR71E225KA73#,R,DC0V,25degC

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