

# GRM31CR60J227ME11#

"#" indicates a package specification code.



## < List of part numbers with package codes >

GRM31CR60J227ME11L      GRM31CR60J227ME11K

## Applications

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

## Notices

Derating1. Measure capacitance after heat treatment

## References

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

## Appearance & Shape



Mass (typ.)	
1 piece	64.0mg

### Attention

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## Specifications

Length	3.2±0.3mm
Width	1.6±0.3mm
Thickness	1.6±0.3mm
Capacitance	220μF ±20%
Distance between external terminals g	1.5mm min.
External terminal size e	0.3 to 0.9mm
Operating Temperature Range	-55°C to 85°C
Rated Voltage	6.3Vdc
Size code in inch(mm)	1206 (3216M)
Capacitance change rate	±15.0%
Temperature characteristics (complied standard)	X5R(EIA)
Temperature range of temperature characteristics	-55°C to 85°C

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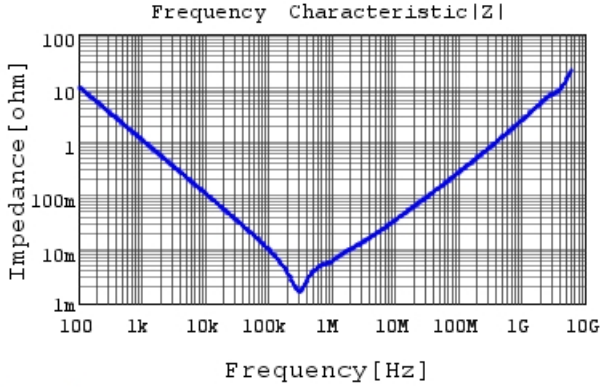
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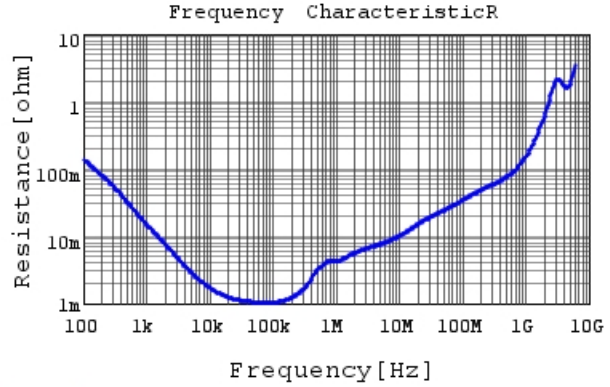


## Characteristic Data

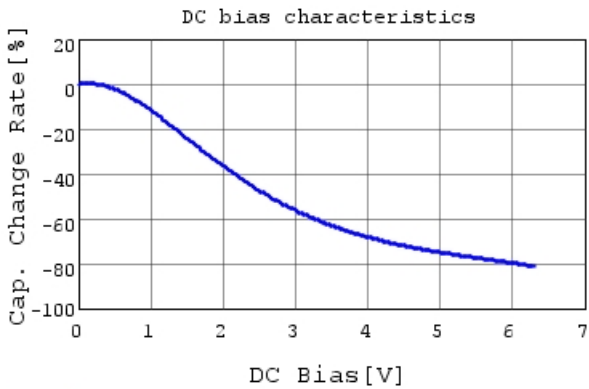
The charts below may show another part number which shares its characteristics.



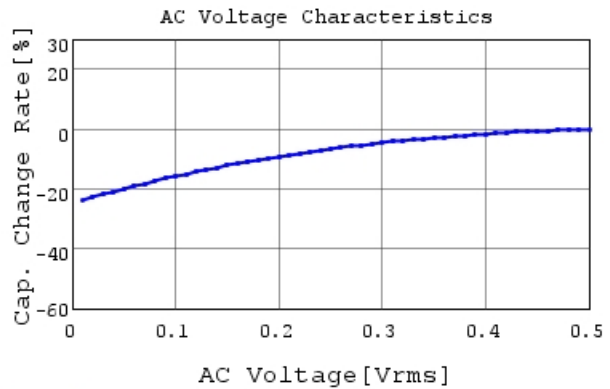
GRM31CR60J227ME11 |Z| DCOV, 25degC



GRM31CR60J227ME11 R DCOV, 25degC



GRM31CR60J227ME11 C-DC bias capchange, 25.0c



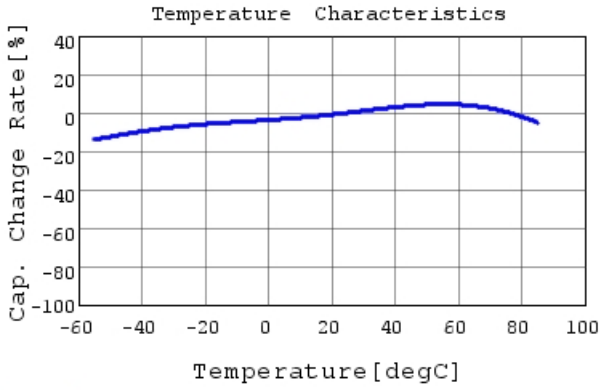
GRM31CR60J227ME11 C-AC Voltage capchange, DC

**Attention**

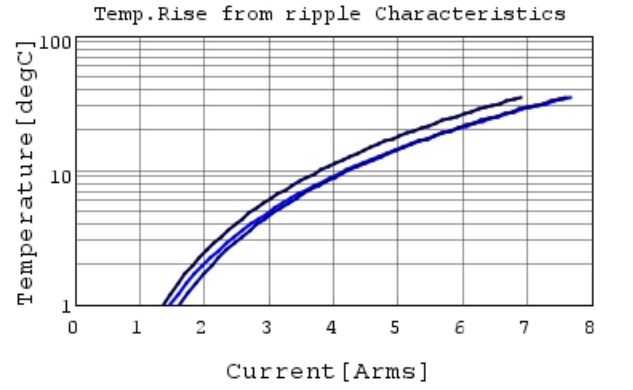
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GRM31CR60J227ME11 C-Temp. capchange, DC0.0V,



GRM31CR60J227ME11 Temp.rise — 50kHz

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