

GRM31CE70G107ME39#

" # " indicates a package specification code.

Recommended

In Production

General

125℃

Reflow OK

Flow OK

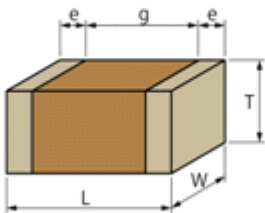
RoHS


REACH

Derating

< List of part numbers with package codes >  
GRM31CE70G107ME39L , GRM31CE70G107ME39K

Shape





L size	3.2 ± 0.3mm
W size	1.6 ± 0.3mm
T size	1.6 ± 0.3mm
External terminal width e	0.3 to 0.8mm
Distance between external terminals g	1.5mm min.
Size code in inch(mm)	1206 (3216)

Notes

Volt. & temp. derating recommended product

References

Packaging	Specifications	Minimum quantity
L	180mm Embossed taping	2000
K	330mm Embossed taping	6000

Mass (typ.)	
1 piece	64mg
180mm Reel	169g

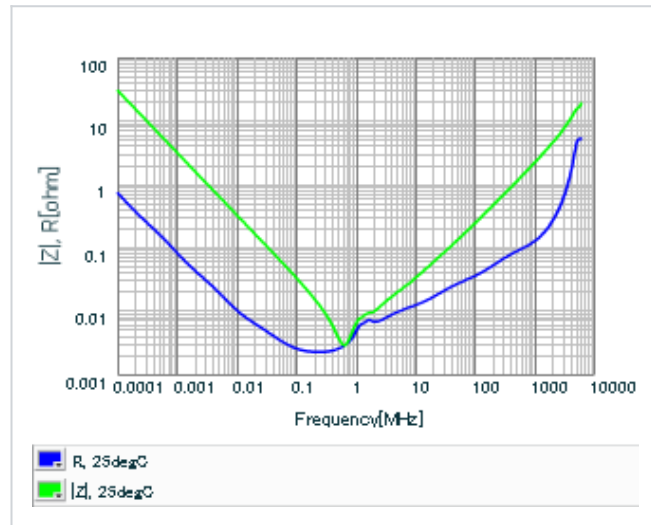
Specifications

Capacitance	100μF ± 20%
Rated voltage	4Vdc
Temperature characteristics (complied standard)	X7U(EIA)
Capacitance change rate	+22.0/-56.0%
Temperature range of temperature characteristics	-55 to 125
Operating temperature range	-55 to 125

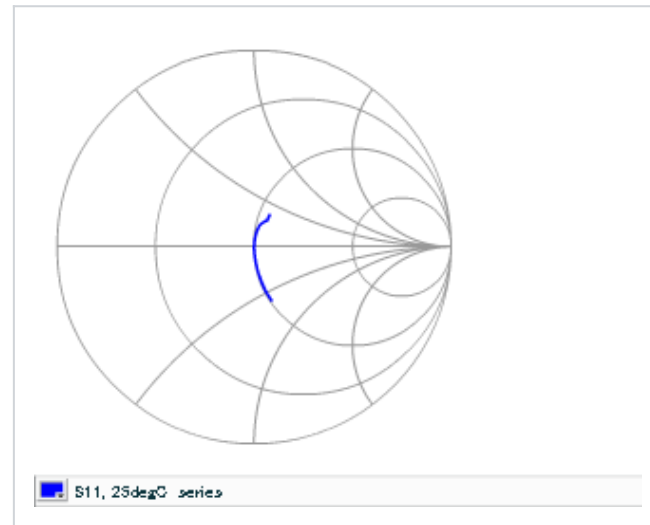
⚠ Attention

- 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.

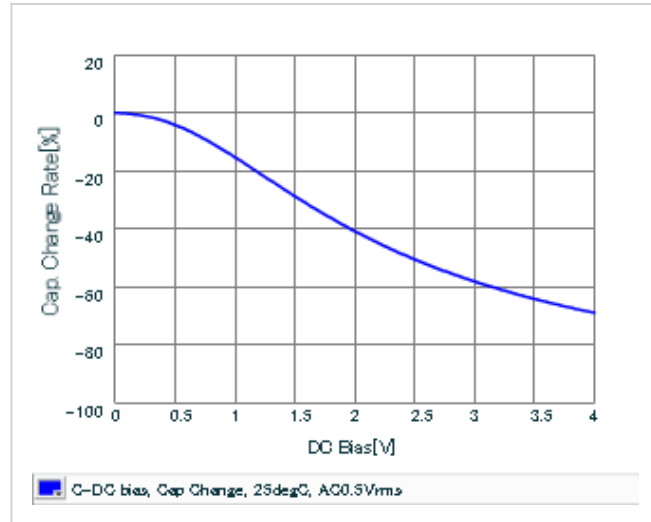
▪ Frequency characteristics (ESR, Impedance)



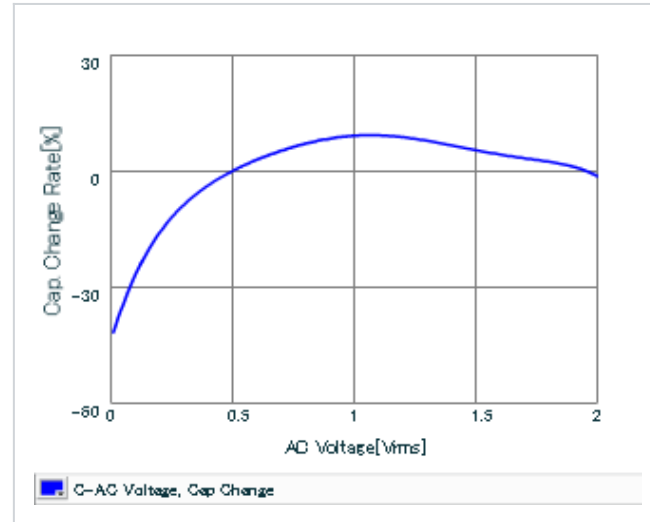
▪ S parameter (Smith chart S11)



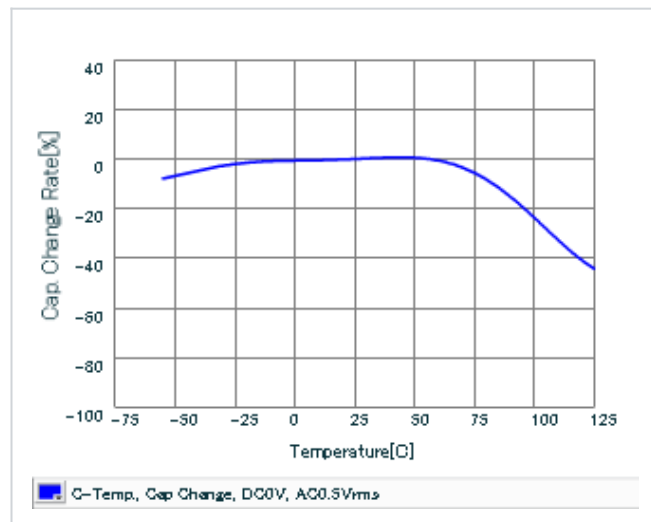
▪ DC bias characteristics



▪ AC voltage characteristics



▪ Capacitance - temperature characteristics



▪ Calorific property by ripple current

