

GRM31CR60J227ME11#

" # " indicates a package specification code.

In Production

General

85℃

Large Cap

Reflow OK

Flow OK

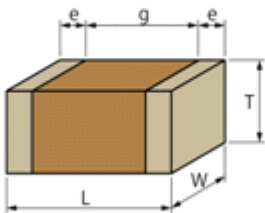
RoHS


REACH

Derating

< List of part numbers with package codes >  
GRM31CR60J227ME11L , GRM31CR60J227ME11K

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 0.9mm
Distance between external terminals g	1.5mm min.
Size code in inch(mm)	1206 (3216)

Notes

Measure capacitance after heat treatment (150C/1hr + room temp./24hr)  
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

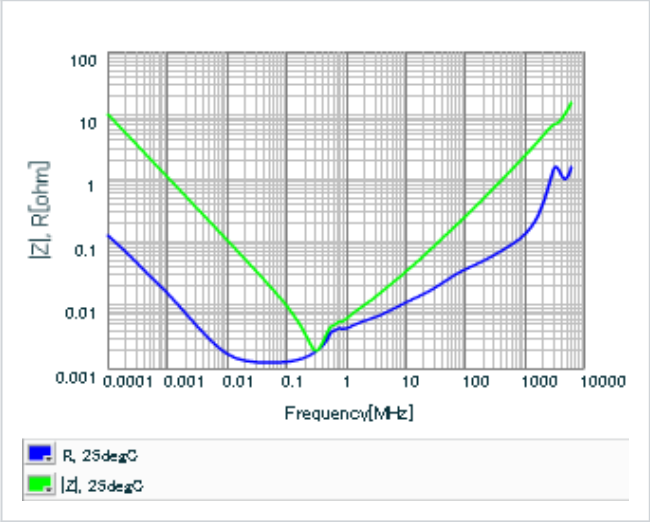
Specifications

Capacitance	220μF ± 20%
Rated voltage	6.3Vdc
Temperature characteristics (complied standard)	X5R(EIA)
Capacitance change rate	± 15.0%
Temperature range of temperature characteristics	-55 to 85
Operating temperature range	-55 to 85

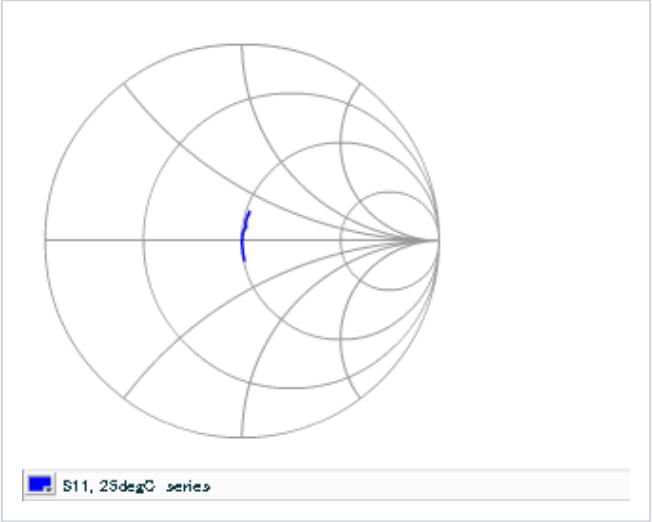
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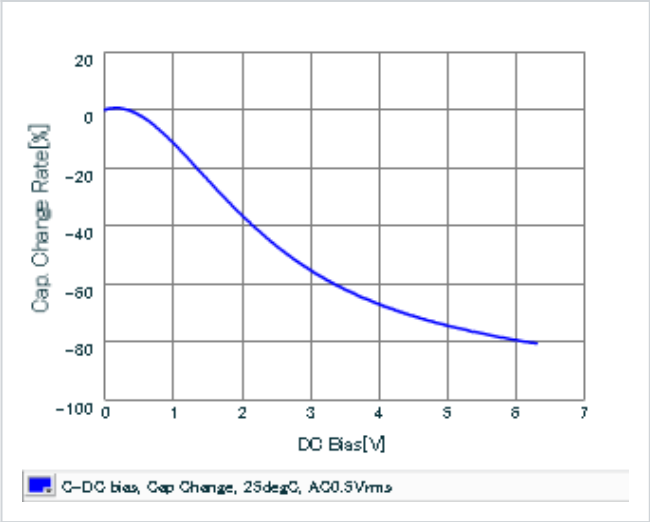
Frequency characteristics (ESR, Impedance)



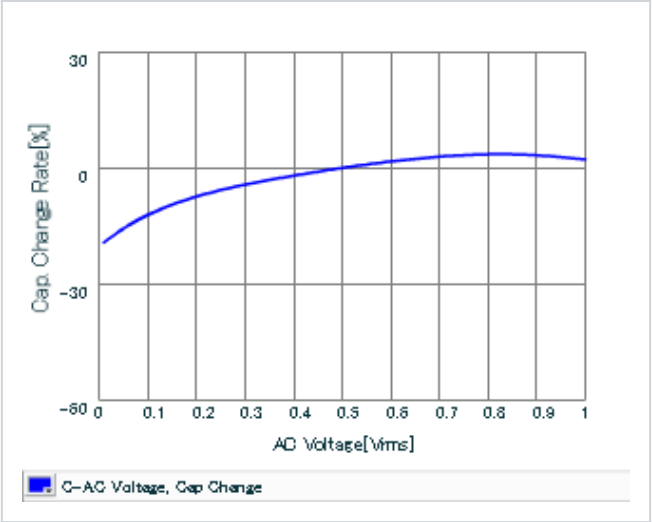
S parameter (Smith chart S11)



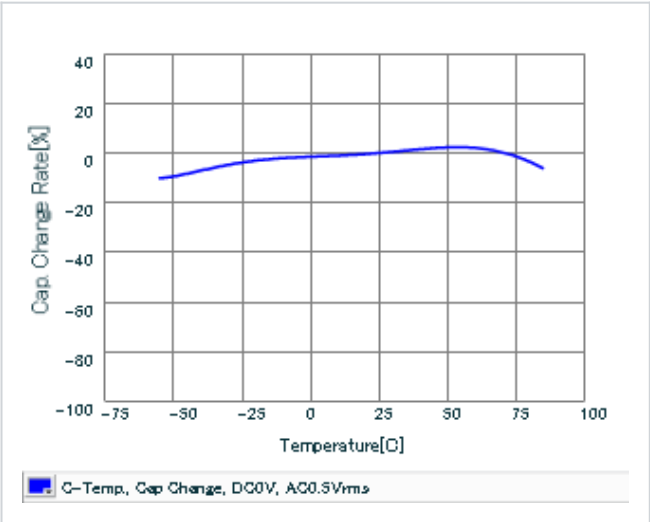
DC bias characteristics



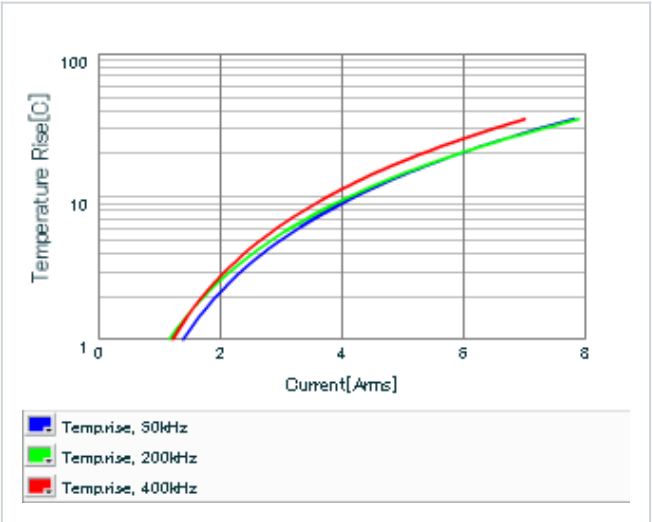
AC voltage characteristics



Capacitance - temperature characteristics



Calorific property by ripple current



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