

GRM188R61H225KE11#

“ # ” indicates a package specification code.

Recommended

Available

General

85℃

Reflow OK

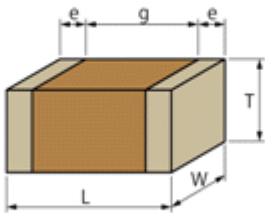
Flow OK

RoHS

Lead free

< List of part numbers with package codes >
GRM188R61H225KE11D , GRM188R61H225KE11J

Shape



L size	1.6 ±0.2mm
W size	0.8 ±0.2mm
T size	0.8 ±0.2mm
External terminal width e	0.2 to 0.55mm
Distance between external terminals g	0.6mm min.
Size code in inch(mm)	0603 (1608)

References

Packaging	Specifications	Minimum quantity
D	φ 180mm Paper taping	4000
J	φ 330mm Paper taping	10000

Mass (typ.)	
1 piece	9.1mg
φ 180mm Reel	166g

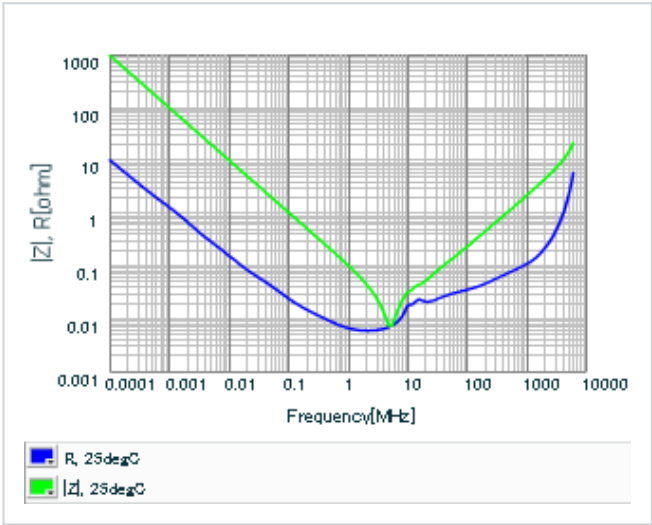
Specifications

Capacitance	2.2μF ±10%
Rated voltage	50Vdc
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℃

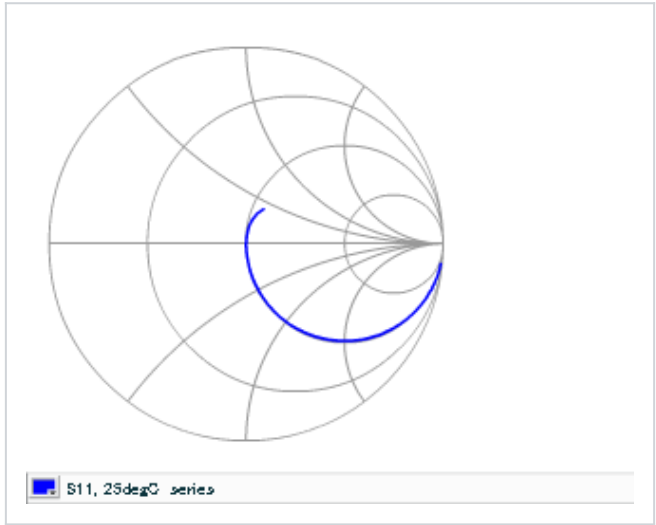
⚠ Attention

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2.This datasheet has only typical specifications because there is no space for detailed specifications.
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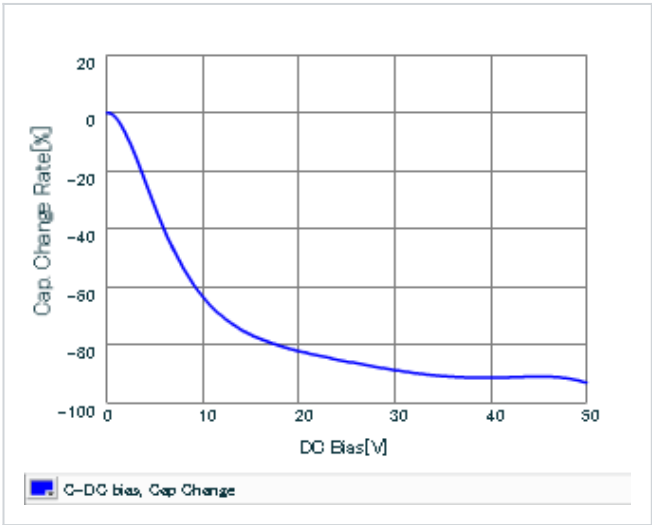
Frequency characteristics (ESR, Impedance)



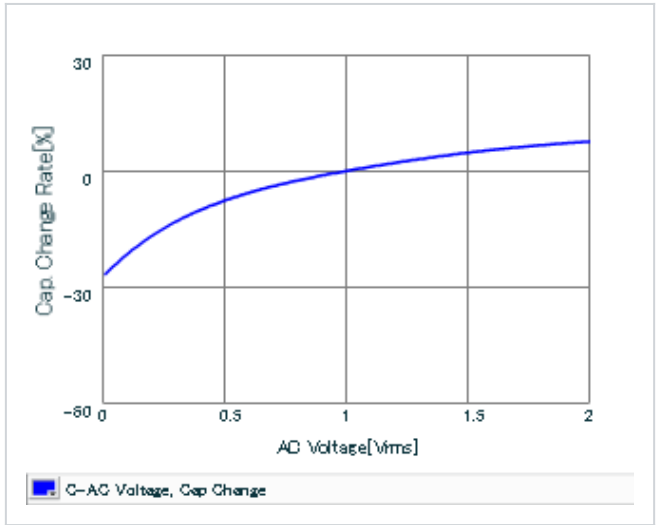
S parameter (Smith chart S11)



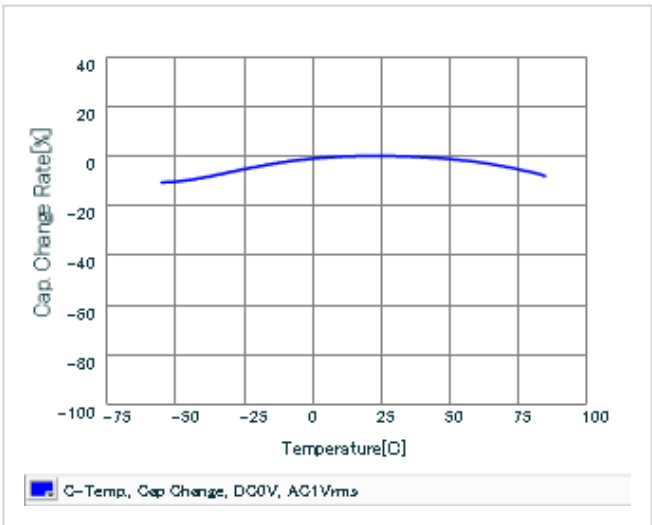
DC bias characteristics



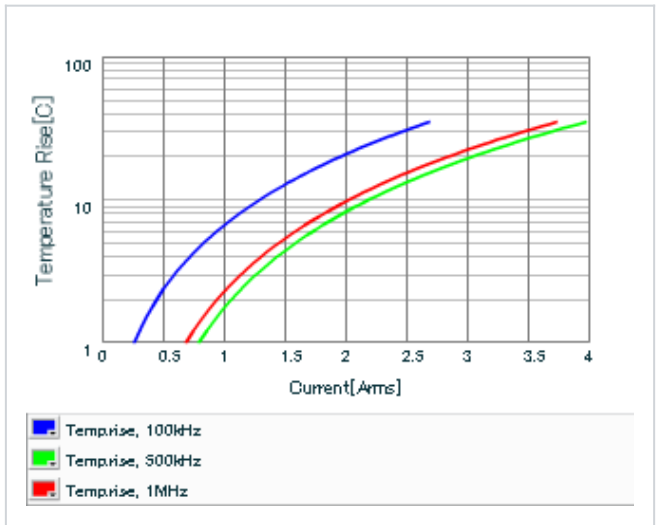
AC voltage characteristics



Capacitance - temperature characteristics



Calorific property by ripple current



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