

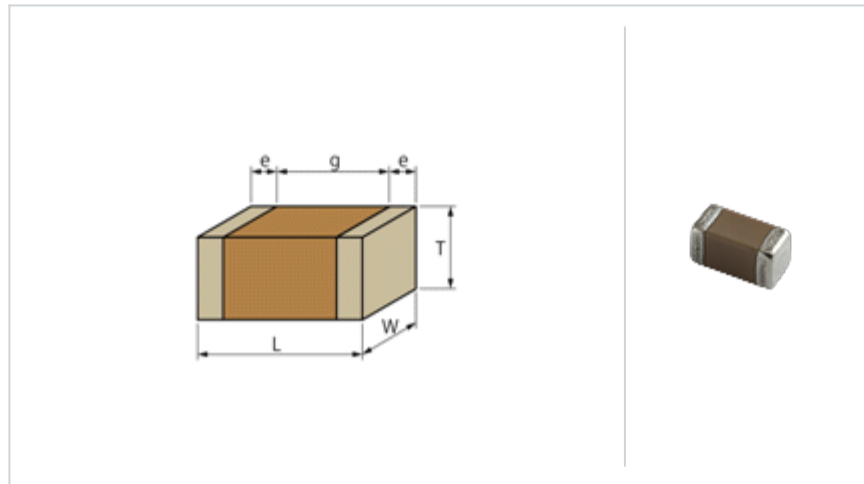
GRM185B31C105KE43#

" # " indicates a package specification code.



< List of part numbers with package codes >
GRM185B31C105KE43D , GRM185B31C105KE43J

Shape



L size	1.6 ± 0.1mm
W size	0.8 ± 0.1mm
T size	0.5 +0.0/-0.1mm
External terminal width e	0.2 to 0.5mm
Distance between external terminals g	0.5mm min.
Size code in inch(mm)	0603 (1608)

References

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

Mass (typ.)	
1 piece	3.0mg
180mm Reel	100g

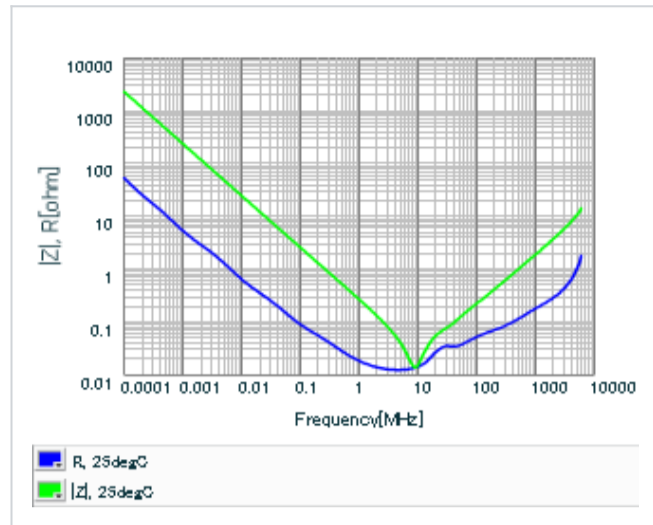
Specifications

Capacitance	1.0μF ± 10%
Rated voltage	16Vdc
Temperature characteristics (complied standard)	B(JIS)
Capacitance change rate	± 10.0%
Temperature range of temperature characteristics	-25 to 85
Operating temperature range	-25 to 85

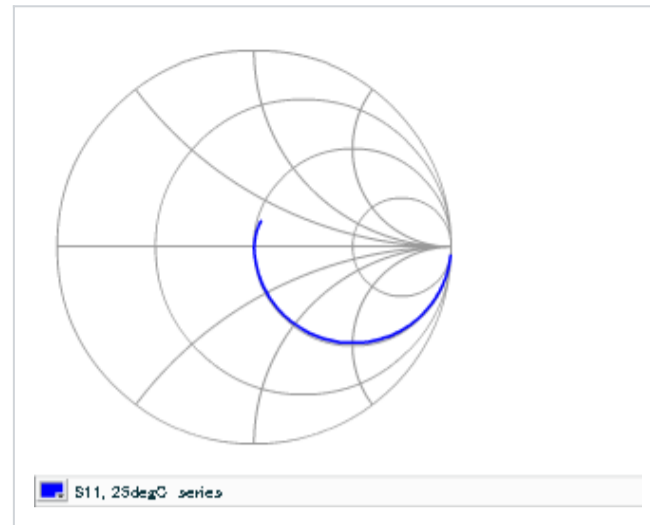
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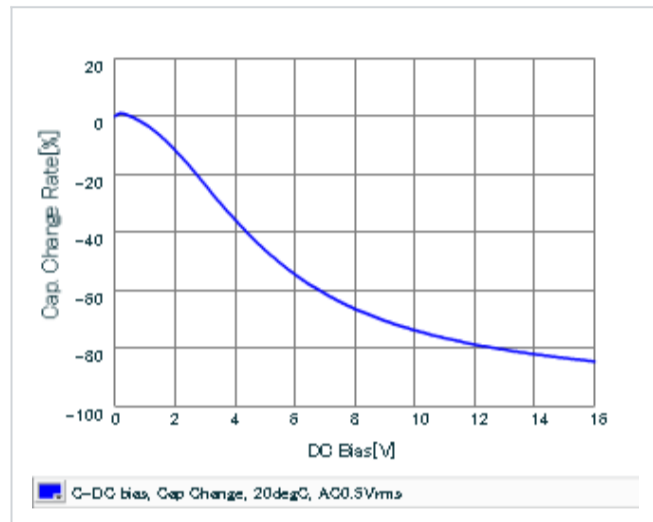
▪ Frequency characteristics (ESR, Impedance)



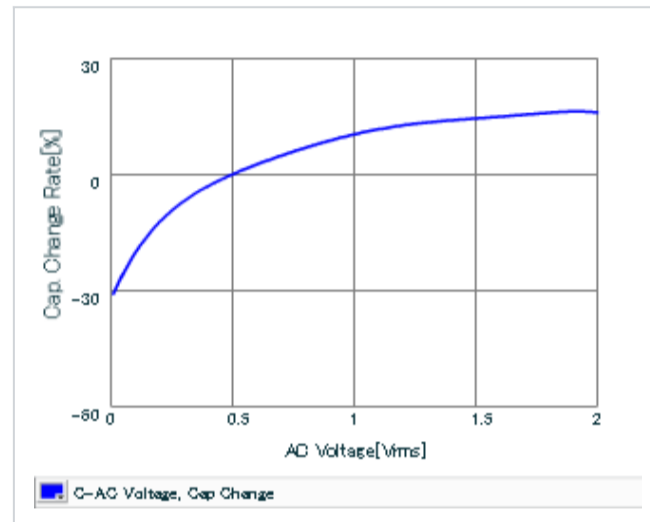
▪ S parameter (Smith chart S11)



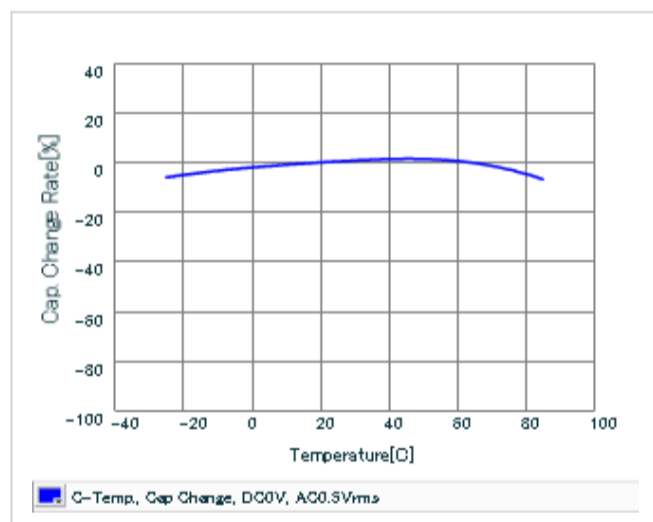
▪ DC bias characteristics



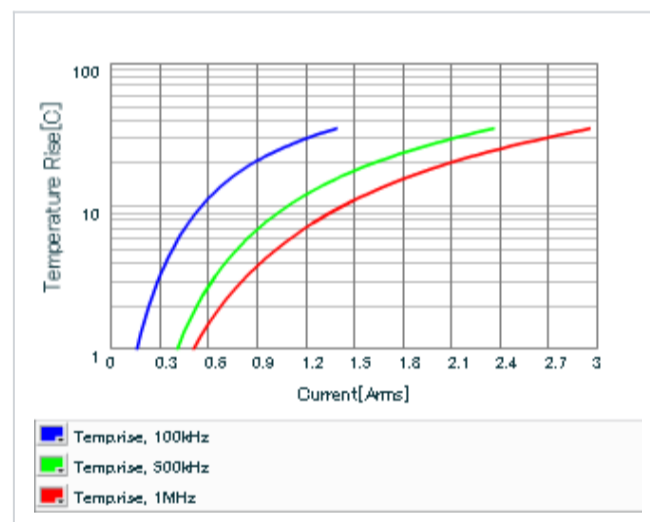
▪ AC voltage characteristics



▪ Capacitance - temperature characteristics



▪ Calorific property by ripple current



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