

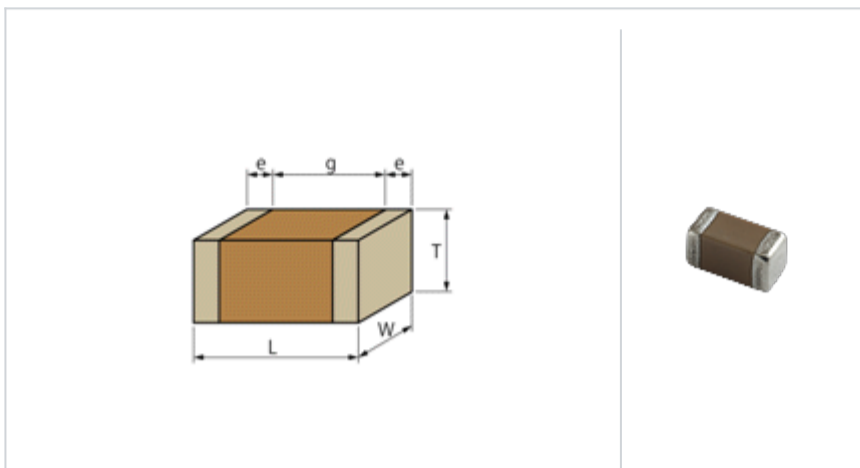
# GRM31CR60J476ME19#

" # " indicates a package specification code.



< List of part numbers with package codes >  
 GRM31CR60J476ME19L , GRM31CR60J476ME19K , GRM31CR60J476ME19B

## Shape



L size	3.2 ± 0.2mm
W size	1.6 ± 0.2mm
T size	1.6 ± 0.2mm
External terminal width e	0.3 to 0.8mm
Distance between external terminals g (Min.)	1.5mm
Size code in mm(inch)	3216 (1206)

## References

Packaging	Specifications	Minimum quantity
L	Embossed tape ( 180mm)	2000
K	Embossed tape ( 330mm)	6000
B	Packing in bulk	1000

Mass (typ.)	
1 piece	52mg
Reel ( 180mm)	160g

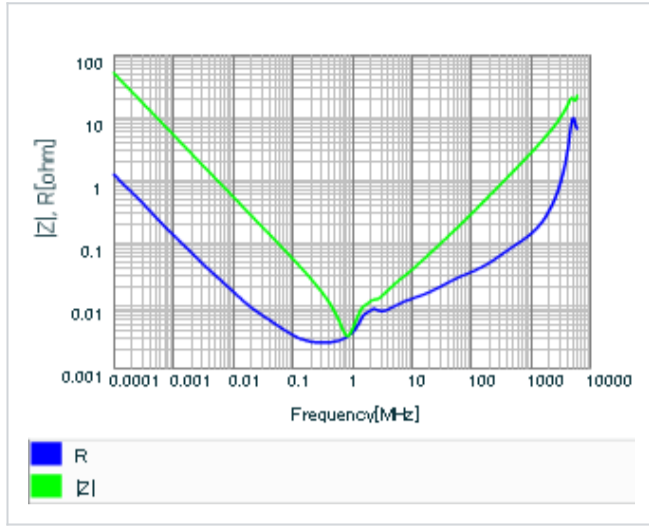
## Specifications

Capacitance	47µF ± 20%
Rated voltage	6.3Vdc
Temperature characteristics (complied standard)	X5R(EIA)
Capacitance change rate	± 15%
Temperature range of temperature characteristics	-55 to 85
Operating temperature range	-55 to 85

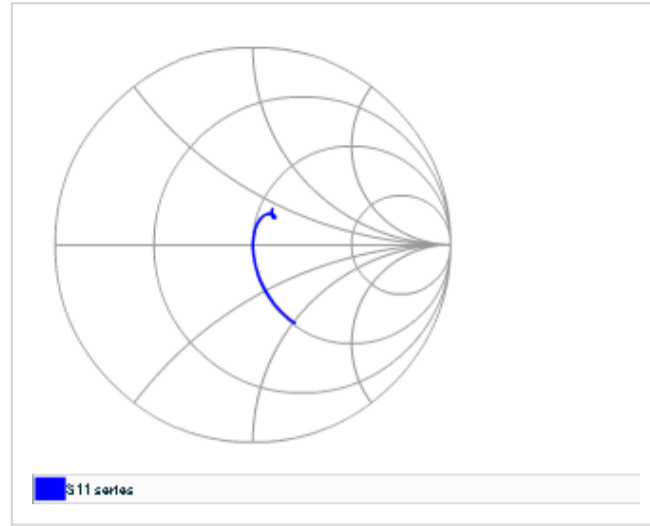
### ⚠ Attention

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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

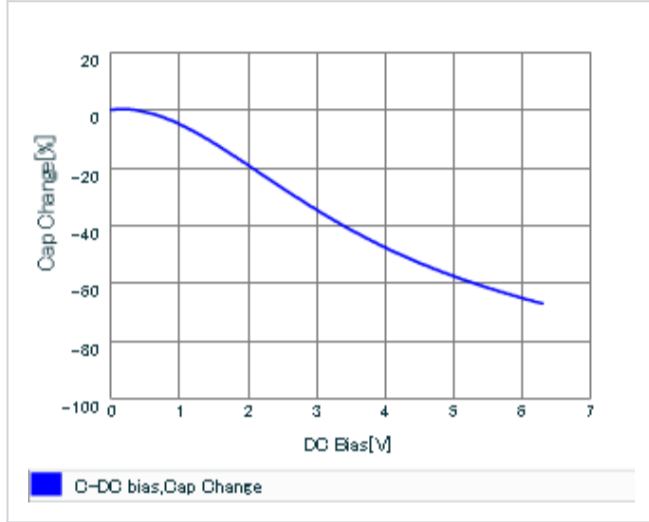
▪ Frequency characteristics (ESR, Impedance)



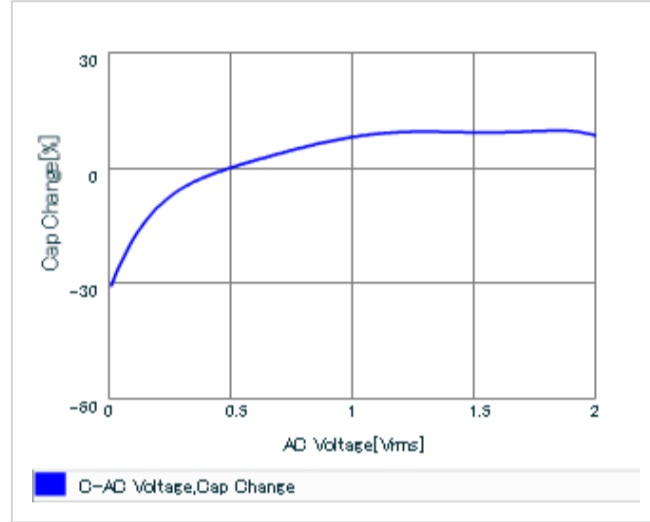
▪ S parameter (Smith chart S11)



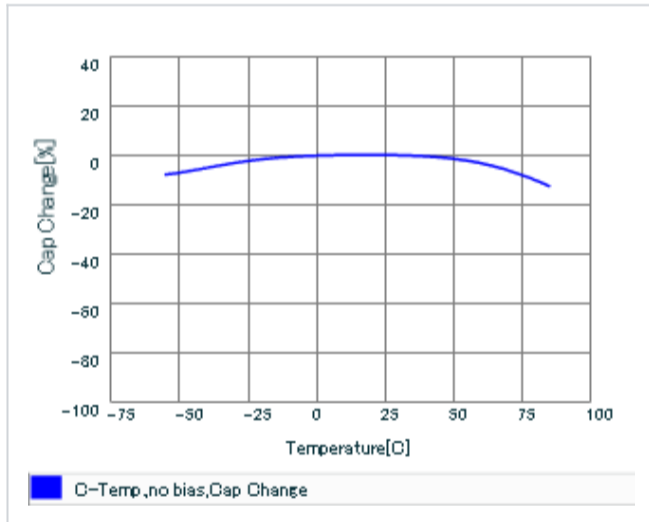
▪ DC bias characteristics



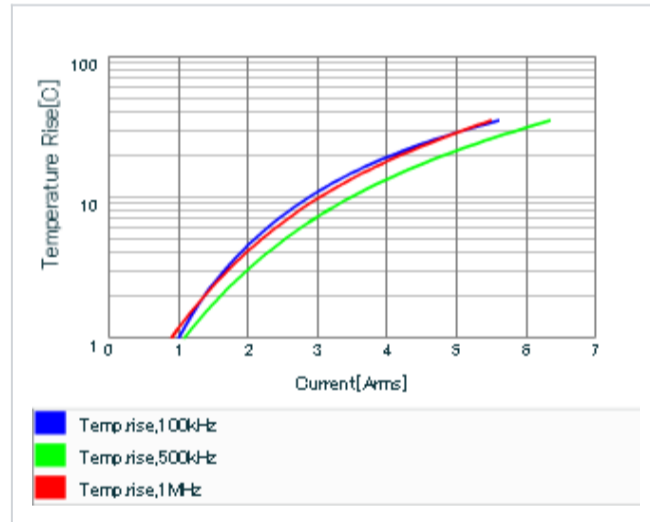
▪ AC voltage characteristics



▪ Capacitance - temperature characteristics



▪ Calorific property by ripple current



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