

GRM31A7U3A180JW31#

" # " indicates a package specification code.



< List of part numbers with package codes >
GRM31A7U3A180JW31D , GRM31A7U3A180JW31J

Shape



L size	3.2 ± 0.2mm
W size	1.6 ± 0.2mm
T size	1.0 +0.0/-0.3mm
External terminal width e	0.3mm min.
Distance between external terminals g	1.5mm min.
Size code in inch(mm)	1206 (3216)

References

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

Mass (typ.)	
1 piece	27mg

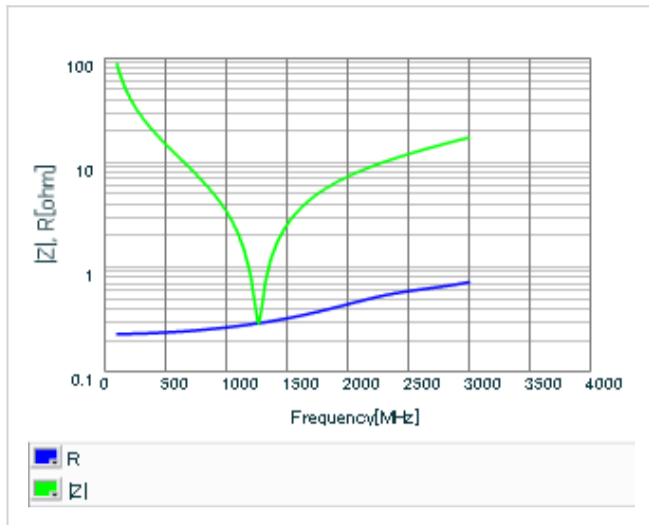
Specifications

Capacitance	18pF ± 5%
Rated voltage	1000Vdc
Temperature characteristics (complied standard)	U2J(EIA)
Temperature coefficient	-750 ± 120ppm/
Temperature range of temperature characteristics	25 to 85
Operating temperature range	-55 to 125

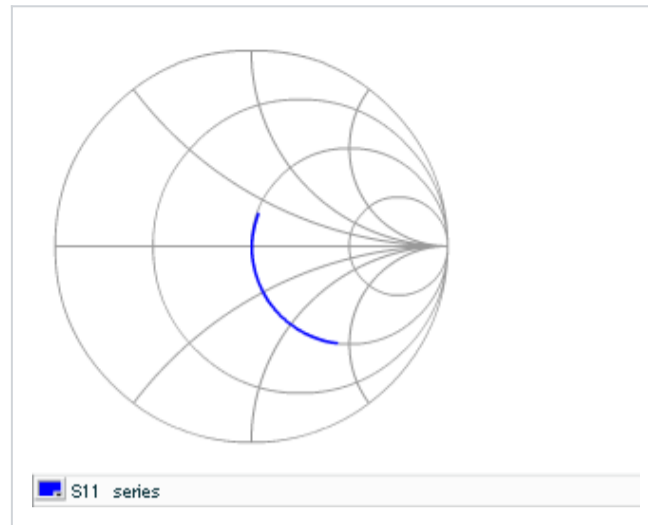
⚠ Attention

- 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.

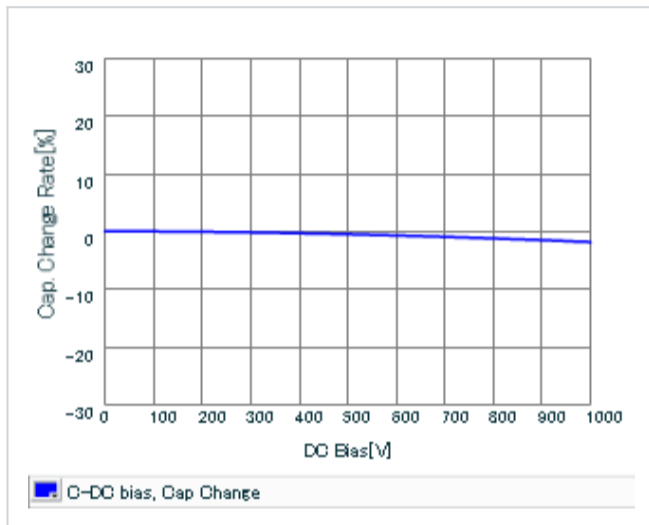
▪ Frequency characteristics (ESR, Impedance)



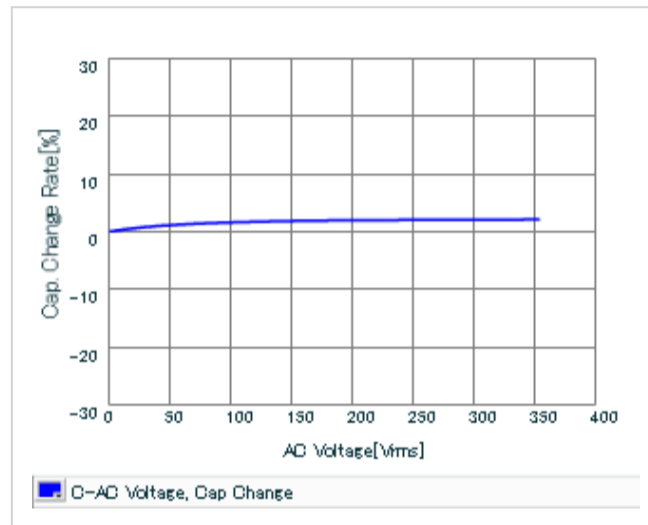
▪ S parameter (Smith chart S11)



▪ DC bias characteristics



▪ AC voltage characteristics



▪ Capacitance - temperature characteristics

