

" # " indicates a package specification code.



< List of part numbers with package codes >  
GRM219R61A475KE34D, GRM219R61A475KE34J

## Shape

L size	2.0 $\pm$ 0.1mm
W size	1.25 $\pm$ 0.1mm
T size	0.85 $\pm$ 0.1mm
External terminal width e	0.2 to 0.7mm
Distance between external terminals g	0.7mm min.
Size code in inch(mm)	0805 (2012)

## References

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

## Mass (typ.)

1 piece	11mg
180mm Reel	162g

## Specifications

Capacitance	4.7 $\mu$ F $\pm$ 10%
Rated voltage	10Vdc
Temperature characteristics (complied standard)	X5R(EIA)
Capacitance change rate	$\pm$ 15.0%
Temperature range of temperature characteristics	-55 to 85
Operating temperature range	-55 to 85

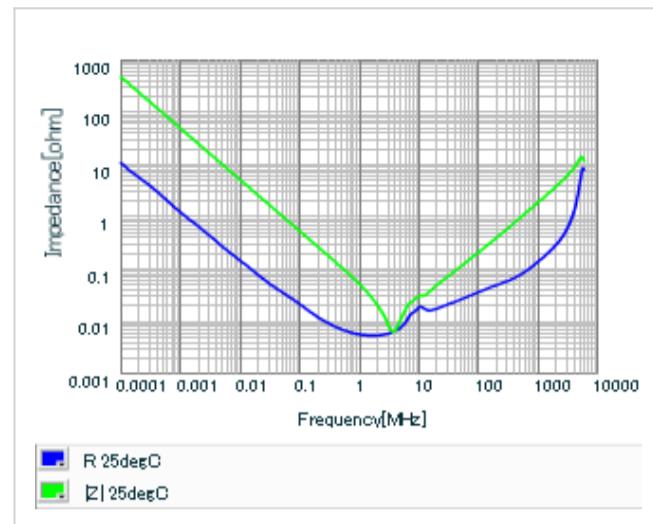
1 of 2

## ⚠ Attention

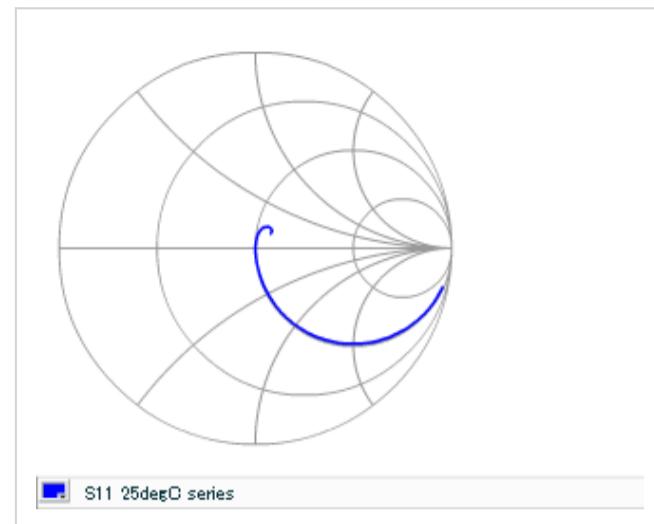
- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has 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.

Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

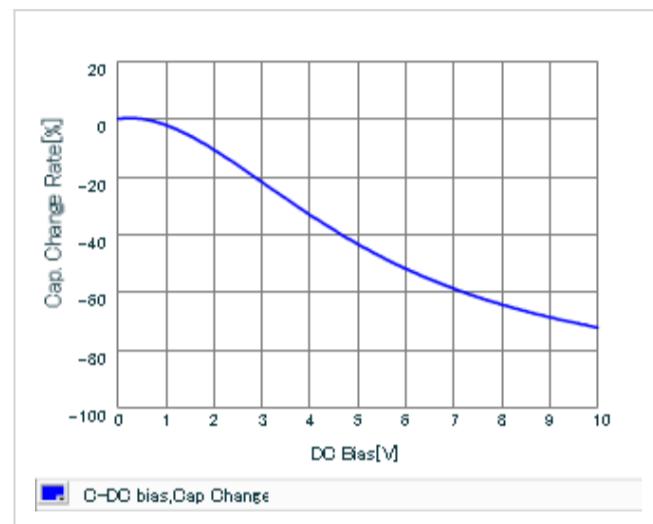
■ Frequency characteristics (ESR, Impedance)



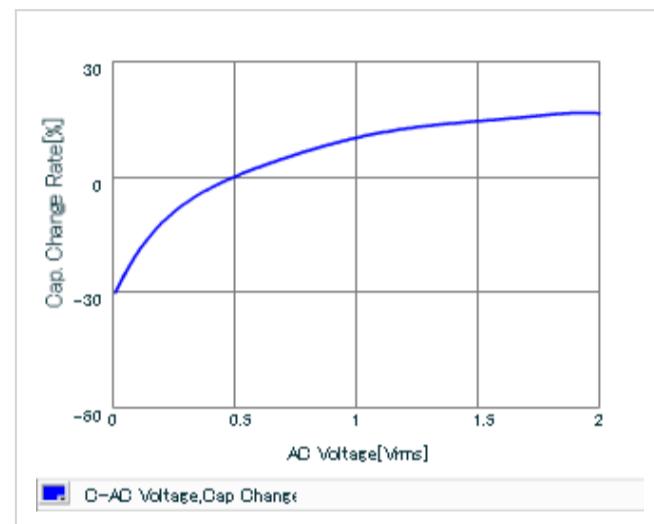
■ S parameter (Smith chart S11)



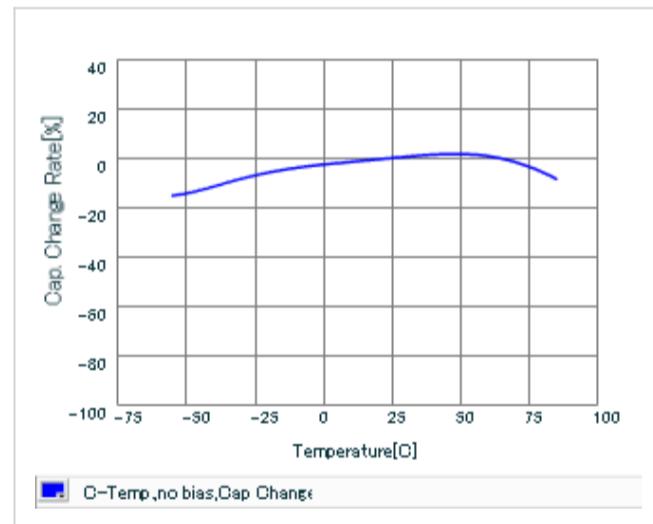
■ DC bias characteristics



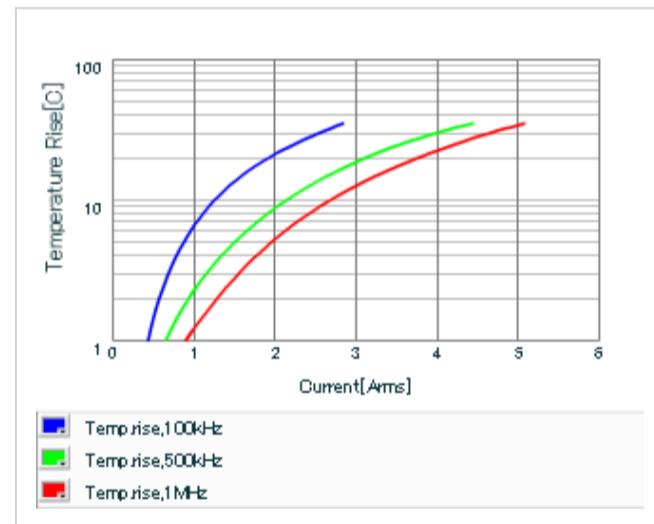
■ AC voltage characteristics



■ Capacitance - temperature characteristics



■ Calorific property by ripple current



2 of 2

This PDF data 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.

**muRata** Murata Manufacturing Co., Ltd.

Last updated: 2014/07/29