## muRata Capacitor data sheet

## GRM188R61A225ME34#

"#" indicates a package specification code.



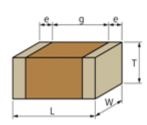






< List of part numbers with package codes > GRM188R61A225ME34D , GRM188R61A225ME34J

Shape





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

## Specifications

Capacitance  $2.2\mu F \pm 20\%$ Rated voltage 10Vdc X5R(EIA) Temperature characteristics (complied standard) Capacitance change rate ± 15.0% Temperature range of temperature characteristics -55 to 85 Operating temperature range -55 to 85

## References

Packaging		Specifications			Minimum quantity
D	180mm Paper taping			4000	
J	330mm Paper taping			10000	
		Mass (typ.)			
1 piece		maco (typ.)	6.3mg		
180mm Reel			144g		

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- 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.



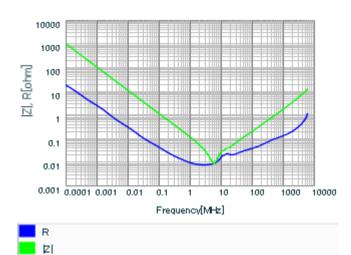
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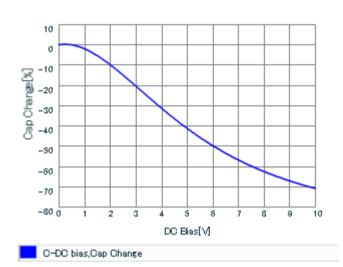
Last updated: 2013/10/20

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

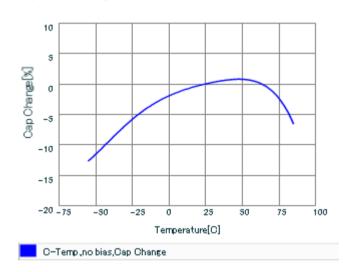
Frequency characteristics (ESR, Impedance)



DC bias characteristics

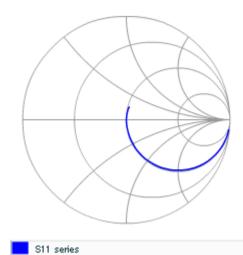


Capacitance - temperature characteristics

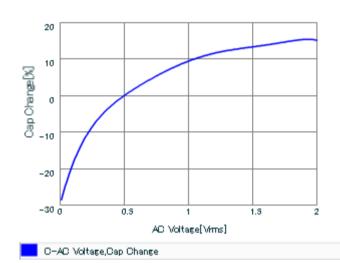


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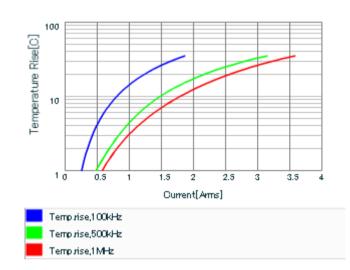
S parameter (Smith chart S11)



AC voltage characteristics



Calorific property by ripple current



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