# muRata Capacitor data sheet

# GRM033R60J333KE01#

"#" indicates a package specification code.

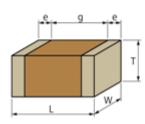




< List of part numbers with package codes >

GRM033R60J333KE01D , GRM033R60J333KE01W , GRM033R60J333KE01J

#### Shape





L size  $0.6 \pm 0.03$ mm W size  $0.3 \pm 0.03$ mm  $0.3 \pm 0.03$ mm T size External terminal width e 0.1 to 0.2mm 0.2mm min. Distance between external terminals g Size code in mm(inch) 0603 (0201)

### Specifications

Capacitance  $33000pF \pm 10\%$ 6.3Vdc Rated voltage X5R(EIA) Temperature characteristics (complied standard) Capacitance change rate ± 15.0% -55 to 85 Temperature range of temperature characteristics Operating temperature range -55 to 85

## References

Packaging		Specifications			Minimum quantity
D	180mm Paper taping			15000	
J	330mm Paper taping			50000	
W	180mm Paper taping (W8P1*)  * Width: 8mm, Pocket pitch: 1mm			30000	
		Mass (typ.)			
1 piece			0.33mg		
180mm Reel			118g		

1 of 2



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.

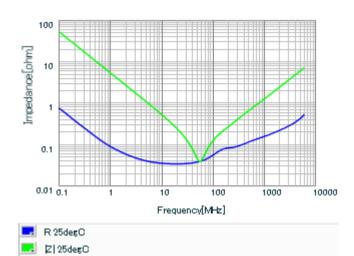
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

multata Murata Manufacturing Co., Ltd.

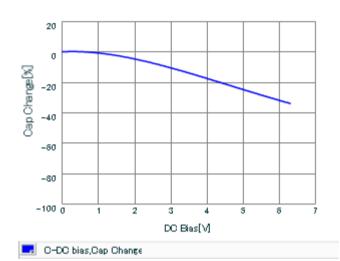
URL: http://www.murata.co.jp/

Last updated: 2013/10/23

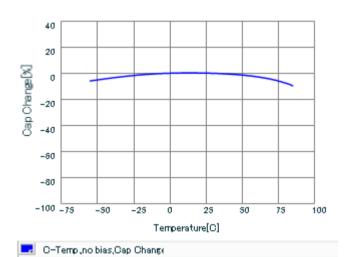
Frequency characteristics (ESR, Impedance)



DC bias characteristics



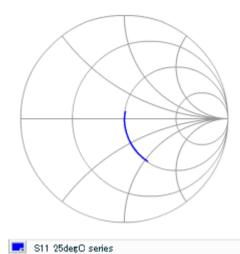
Capacitance - temperature characteristics



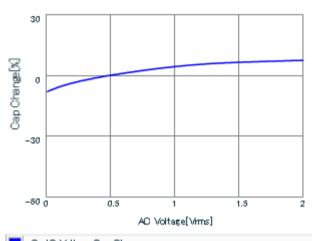
This PDF data has only typical specifications because there is no space for detailed specifications.

Therefore, please reviewour product specifications or consult the approval sheet for product specifications before ordering.

S parameter (Smith chart S11)



AC voltage characteristics



C-AC Voltage,Cap Change

2 of 2

muRata Murata Manufacturing Co., Ltd.

Last updated: 2013/10/23