# GRM155R71C683KA88#

"#" indicates a package specification code.

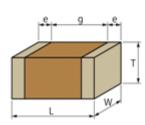




< List of part numbers with package codes >

GRM155R71C683KA88D , GRM155R71C683KA88W , GRM155R71C683KA88J

# Shape





L size  $1.0 \pm 0.05$ mm W size  $0.5 \pm 0.05$ mm  $0.5 \pm 0.05$ mm T size External terminal width e 0.15 to 0.35mm 0.3mm min. Distance between external terminals g Size code in mm(inch) 1005 (0402)

## Specifications

Capacitance  $68000pF \pm 10\%$ Rated voltage 16Vdc X7R(EIA) Temperature characteristics (complied standard) Capacitance change rate ± 15.0% Temperature range of temperature characteristics -55 to 125 Operating temperature range -55 to 125

### References

Packaging		Specifications		Minimum quantity
D	180mm Paper taping			10000
J	330mm Paper taping			50000
W	180mm Paper taping (W8P1*)  * Width: 8mm, Pocket pitch: 1mm			20000
		Mass (typ.)		
1 piece			1.6mg	
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.

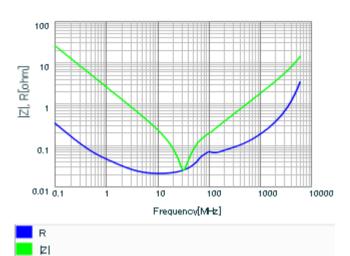
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

muRata Murata Manufacturing Co., Ltd.

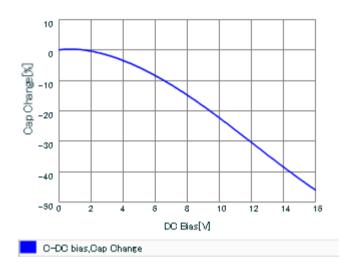
URL: http://www.murata.co.jp/

Last updated: 2013/10/23

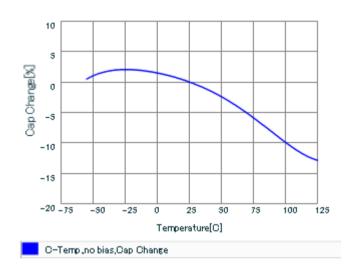
Frequency characteristics (ESR, Impedance)



DC bias characteristics



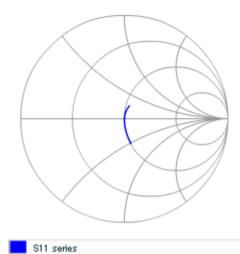
Capacitance - temperature characteristics



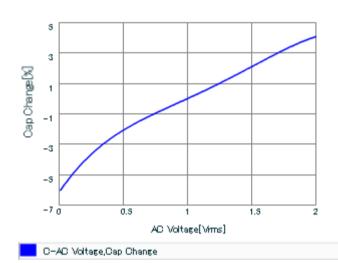
This PDF data has only typical specifications because there is no space for detailed specifications.

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

#### S parameter (Smith chart S11)



AC voltage characteristics



2 of 2

muRata Murata Manufacturing Co., Ltd.

Last updated: 2013/10/23