# muRata Capacitor data sheet

## GRM188R71H152KA01#

"#" indicates a package specification code.





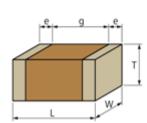




< List of part numbers with package codes >

GRM188R71H152KA01D , GRM188R71H152KA01J

Shape





L size  $1.6 \pm 0.1$ mm W size  $0.8 \pm 0.1$ mm  $0.8 \pm 0.1$ mm T size 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 Rated voltage Temperature characteristics (complied standard) Capacitance change rate

Temperature range of temperature characteristics Operating temperature range

1500pF ± 10% 50Vdc X7R(EIA) ± 15.0% -55 to 125 -55 to 125

#### References

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

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### 🔔 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.

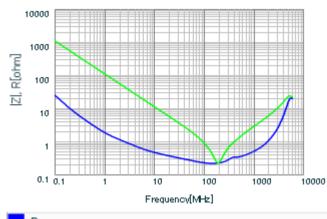


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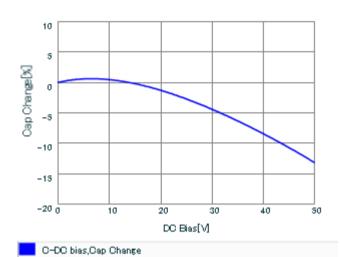
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Frequency characteristics (ESR, Impedance)

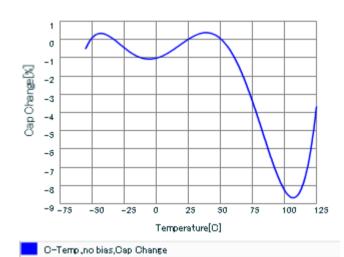


R | | | | |

DC bias characteristics



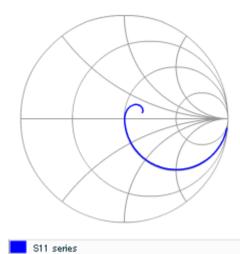
Capacitance - temperature characteristics



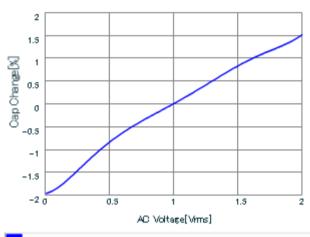
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#### S parameter (Smith chart S11)



AC voltage characteristics



C-AD Voltage,Cap Change

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