## GRM033R71E681KA01#

"#" indicates a package specification code.

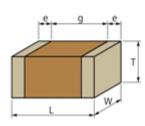




< List of part numbers with package codes >

GRM033R71E681KA01D , GRM033R71E681KA01W , GRM033R71E681KA01J

## 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

680pF ± 10% Capacitance 25Vdc Rated voltage 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

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			118a		

1 of 2



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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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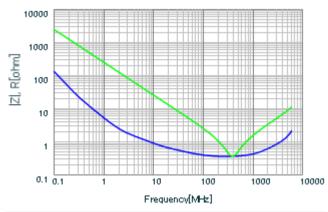


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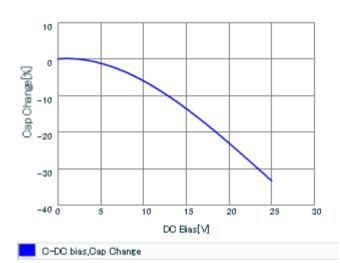
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Frequency characteristics (ESR, Impedance)

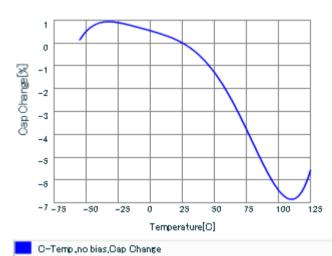


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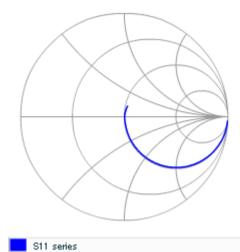
DC bias characteristics



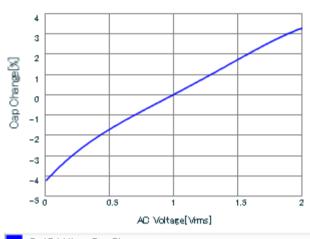
Capacitance - temperature characteristics



S parameter (Smith chart S11)



AC voltage characteristics



C-AC Voltage,Cap Change

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2 of 2