## GRM188R72A471MA01#

"#" indicates a package specification code.



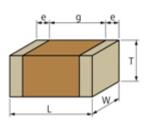






< List of part numbers with package codes > GRM188R72A471MA01D , GRM188R72A471MA01J

## Shape





470pF ± 20% 100Vdc

X7R(EIA)

± 15.0%

-55 to 125

-55 to 125

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

## References

Operating temperature range

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

1 of 2



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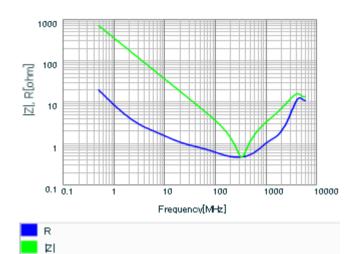


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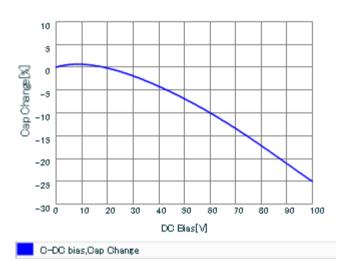
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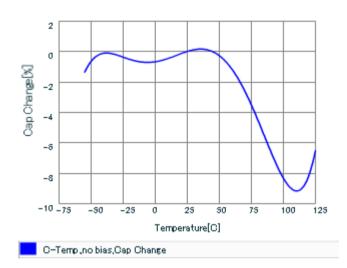
Frequency characteristics (ESR, Impedance)



DC bias characteristics



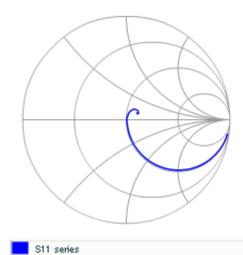
Capacitance - temperature characteristics



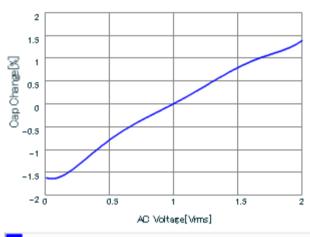
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S parameter (Smith chart S11)



AC voltage characteristics



C-AC Voltage,Cap Change

2 of 2

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