

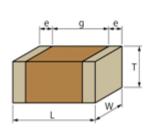
# GRM033R60J223KE01#

Available Available Reflow OK with RoHS compact

< List of part numbers with package codes >

GRM033R60J223KE01D , GRM033R60J223KE01W , GRM033R60J223KE01J

Shape





"#" indicates a package specification code.

L size	0.6 ± 0.03mm
W size	0.3 ±0.03mm
T size	0.3 ± 0.03mm
External terminal width e	0.1 to 0.2mm
Distance between external terminals g	0.2mm min.
Size code in mm(inch)	0603 (0201)
Specifications	
Capacitance	22000pF ±10%
Rated voltage	6.3Vdc
Temperature characteristics (complied standard)	X5R(EIA)
Capacitance change rate	± 15.0%
Temperature range of temperature characteristics	-55 to 85
Operating temperature range	-55 to 85

#### References

Packag	ing Specificat	ons 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 180mm Reel

1 of 2

## 🔔 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.

## muRata Murata Manufacturing Co., Ltd.

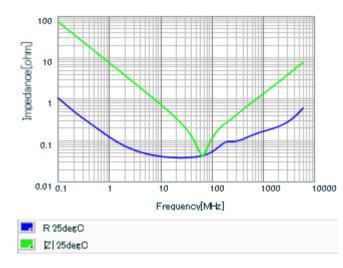
URL : http://www.murata.co.jp/

0.33mg

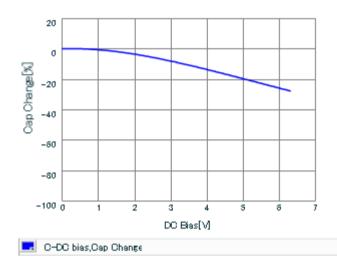
118g

Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

### Frequency characteristics (ESR, Impedance)

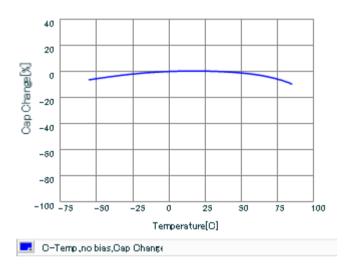


DC bias characteristics



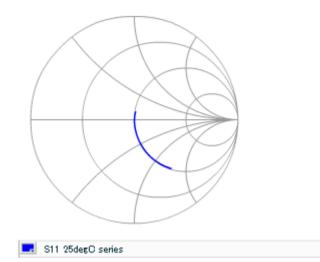
Capacitance - temperature characteristics

before ordering.

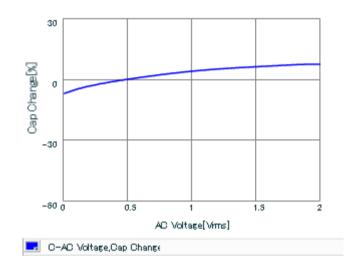


This PDF data has only typical specifications because there is no space for detailed specifications. Therefore, please reviewour product specifications or consult the approval sheet for product specifications

S parameter (Smith chart S11)



AC voltage characteristics



2 of 2



Last updated: 2013/10/23