

GRM033R60J223KE01#

" # " indicates a package specification code.



< List of part numbers with package codes >
 GRM033R60J223KE01D , GRM033R60J223KE01W , GRM033R60J223KE01J

Shape

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 inch(mm)	0201 (0603)

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	118g

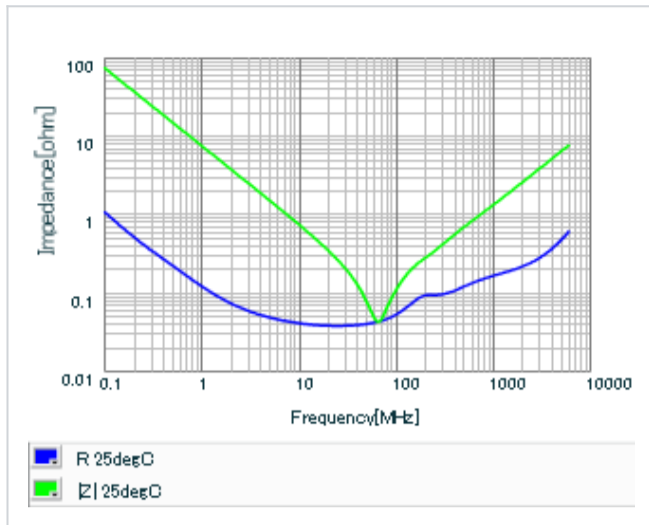
Specifications

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

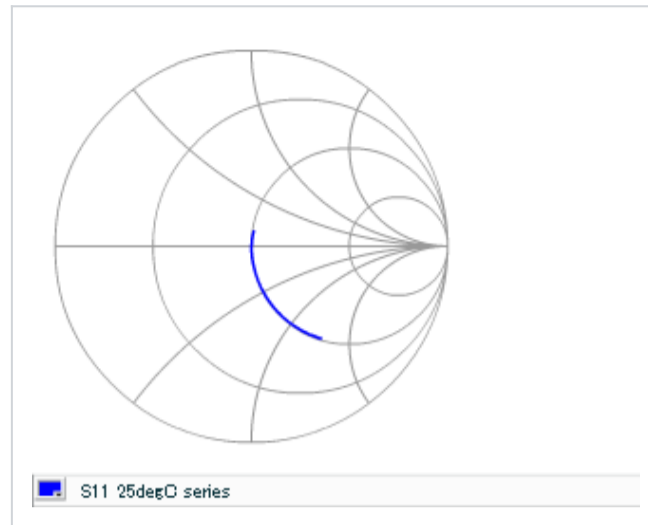
⚠ Attention

- 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.

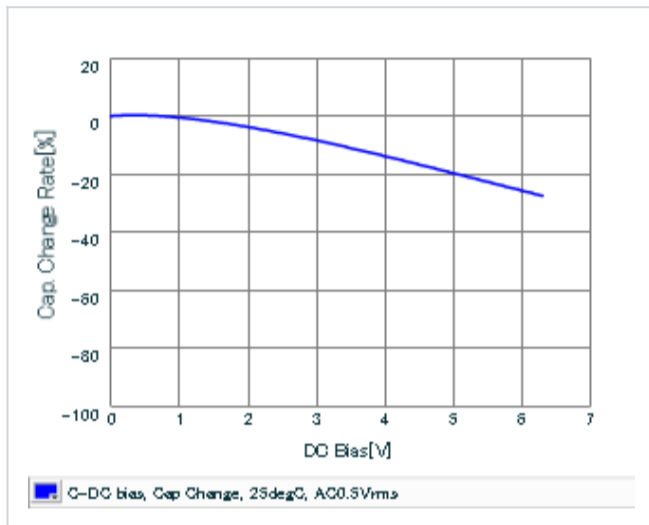
▪ Frequency characteristics (ESR, Impedance)



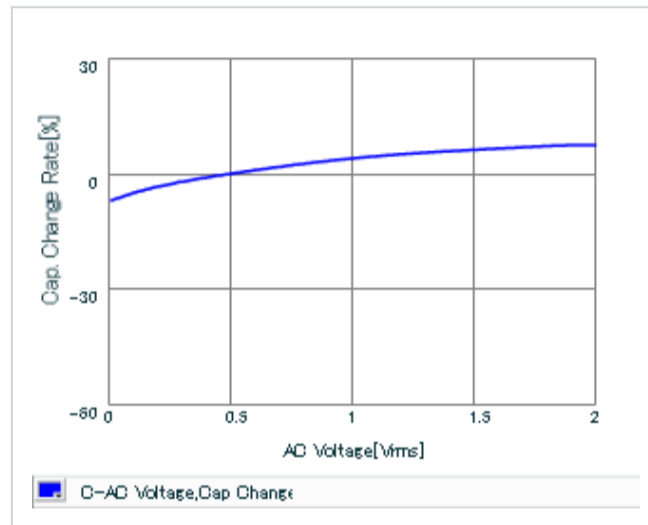
▪ S parameter (Smith chart S11)



▪ DC bias characteristics



▪ AC voltage characteristics



▪ Capacitance - temperature characteristics

