

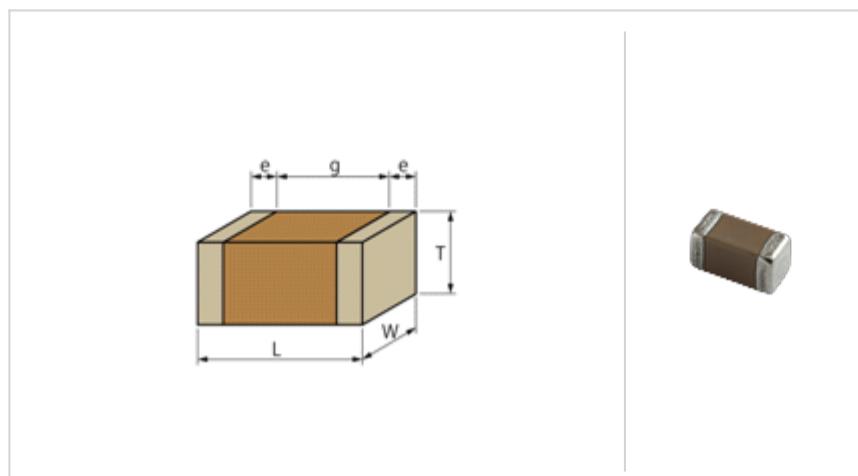
" # " indicates a package specification code.



< List of part numbers with package codes >

GCM31MR71H105KA55L , GCM31MR71H105KA55K

Shape



L size	3.2 \pm 0.15mm
W size	1.6 \pm 0.15mm
T size	1.15 \pm 0.1mm
External terminal width e	0.3 to 0.8mm
Distance between external terminals g	1.5mm min.
Size code in inch(mm)	1206 (3216)

References

Packaging	Specifications	Minimum quantity
L	180mm Embossed taping	3000
K	330mm Embossed taping	10000

Mass (typ.)

1 piece	34mg
180mm Reel	149g

Specifications

Capacitance	1.0 μ F \pm 10%
Rated voltage	50Vdc
Temperature characteristics (complied standard)	X7R(EIA)
Capacitance change rate	\pm 15.0%
Temperature range of temperature characteristics	-55 to 125
Operating temperature range	-55 to 125

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Attention

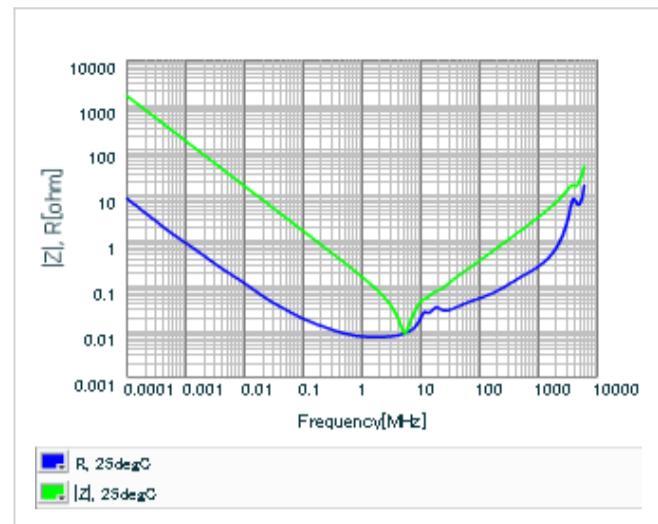
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2. This datasheet has only typical specifications because there is no space for detailed specifications.

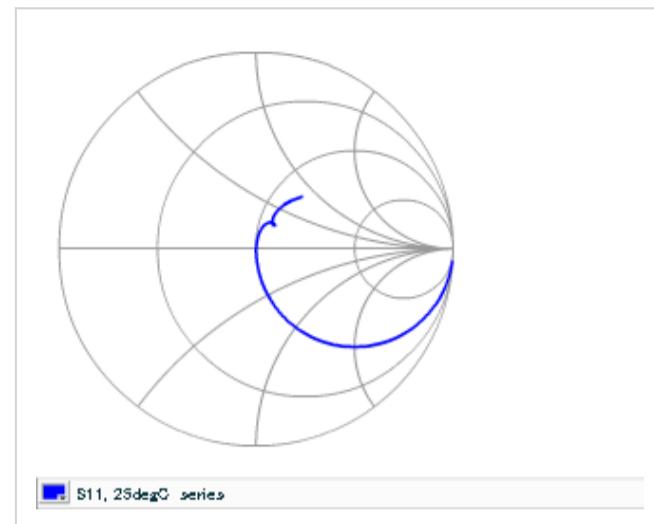
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

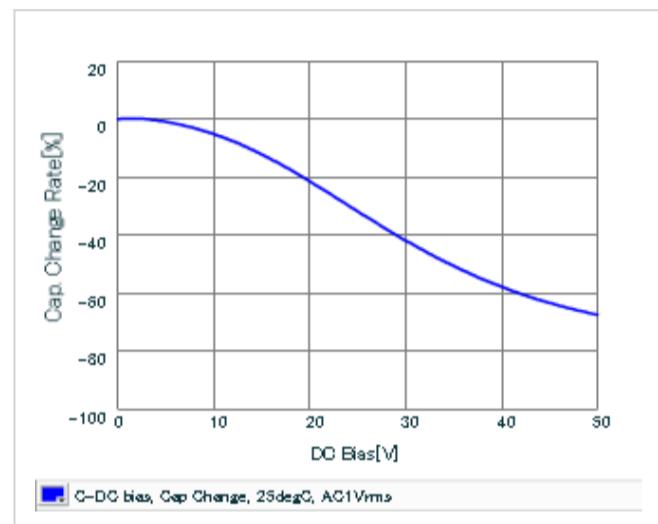
■ Frequency characteristics (ESR, Impedance)



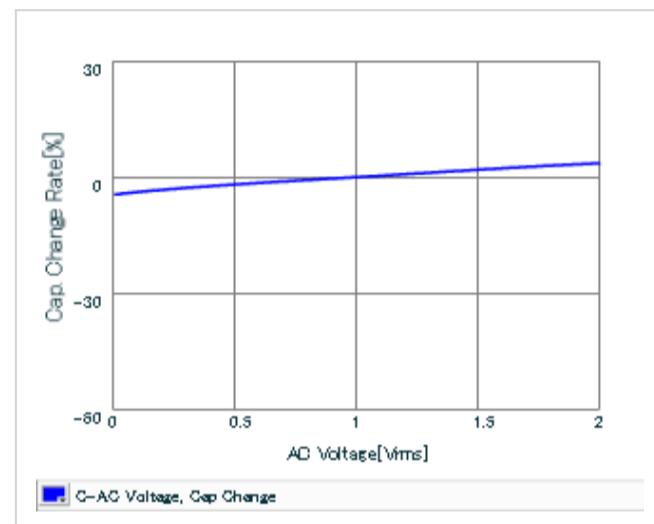
■ S parameter (Smith chart S11)



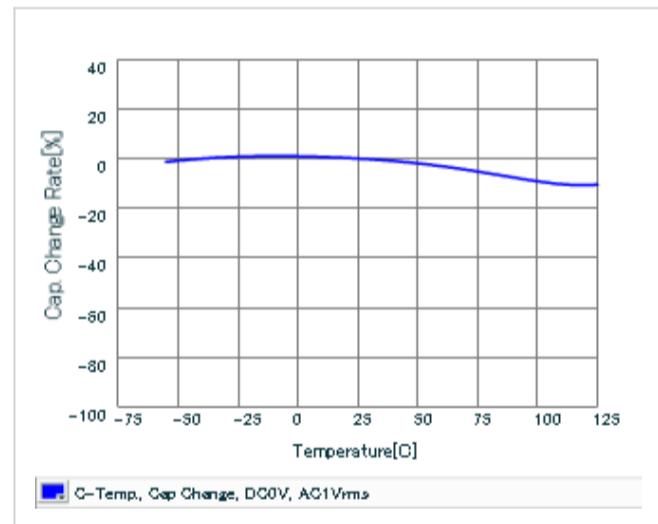
■ DC bias characteristics



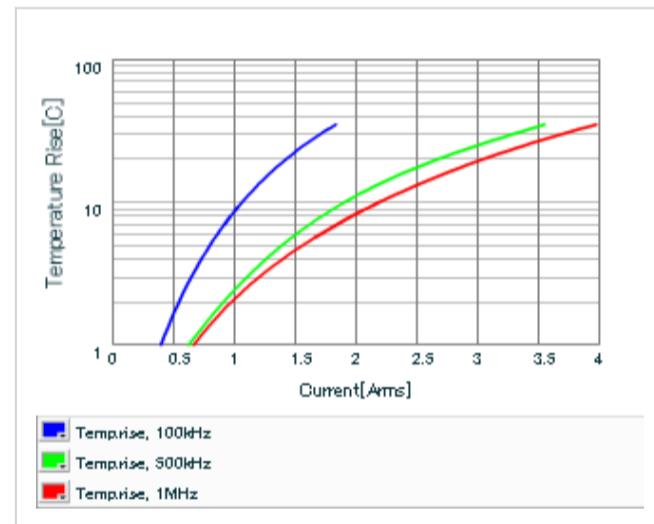
■ AC voltage characteristics



■ Capacitance - temperature characteristics



■ Calorific property by ripple current



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muRata Murata Manufacturing Co., Ltd.

Last updated: 2015/02/17