

# GRM188R61E105KA12#

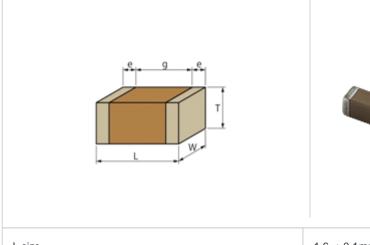
"#" indicates a package specification code.

References



< List of part numbers with package codes > GRM188R61E105KA12D , GRM188R61E105KA12J

## Shape



<i>N</i>	

L size	1.6 ±0.1mm
W size	0.8 ±0.1mm
T size	0.8 ±0.1mm
External terminal width e	0.2 to 0.5mm
Distance between external terminals g	0.5mm min.
Size code in inch(mm)	0603 (1608)

#### Specifications

Capacitance	$1.0\mu F \pm 10\%$
Rated voltage	25Vdc
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

Packaging	Specifications	Minimum quantity
D	180mm Paper taping	4000
J	330mm Paper taping	10000

Mass (typ.)	
1 piece	6.3mg
180mm Reel	144g

## 🔔 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.

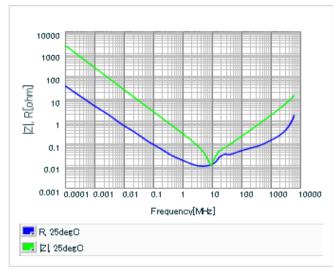
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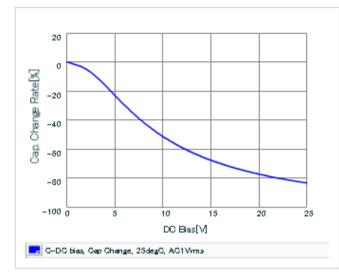
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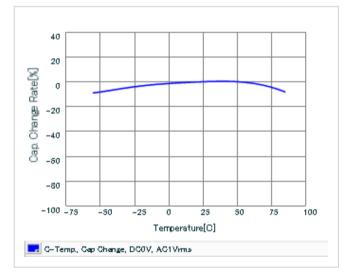




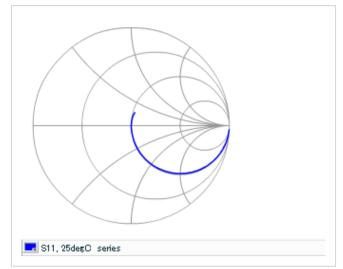
#### DC bias characteristics

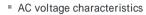


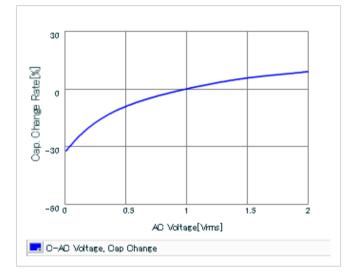
Capacitance - temperature characteristics



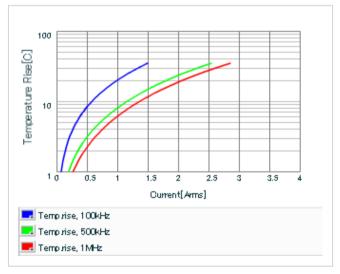
## S parameter (Smith chart S11)







Calorific property by ripple current



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