

# GRM033C80E475ME05#

“#” at the end indicates the package specification code.



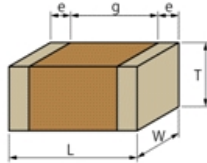
## < List of part numbers with package codes >

GRM033C80E475ME05D      GRM033C80E475ME05W      GRM033C80E475ME05J  
GRM033C80E475ME05V

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Mobile Electronics Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.

## Appearance & Shape



## Notices

Only for mobile devices. Measure capacitance after heat treatment

## References

Packaging	Specifications	Standard Packing Quantity
D	φ180mm Reel Paper Tape	15000
W	φ180mm Reel W8P1 Paper Tape	30000
J	φ330mm Reel Paper Tape	50000
V	φ330mm Reel W8P1 Paper Tape	100000

Mass (typ.)	
1 piece	0.33mg

### Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
- 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.

# GRM033C80E475ME05#

“#” at the end indicates the package specification code.



## Specifications

Length	0.6±0.09mm
Width	0.3±0.09mm
Thickness	0.3±0.09mm
Capacitance	4.7µF ±20%
Distance between external terminals g	0.2mm min.
External terminal size e	0.1 to 0.25mm
Operating Temperature Range	-55°C to 105°C
Rated Voltage	2.5Vdc
Size code in inch(mm)	0201 (0603M)
Capacitance change rate	±22.0%
Temperature characteristics (complied standard)	X6S(EIA)
Temperature range of temperature characteristics	-55°C to 105°C

### 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.

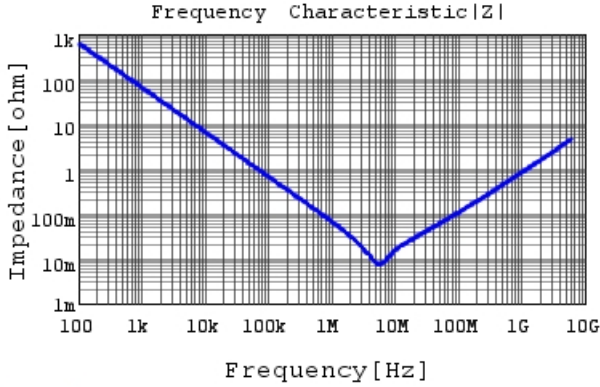
# GRM033C80E475ME05#

“#” at the end indicates the package specification code.

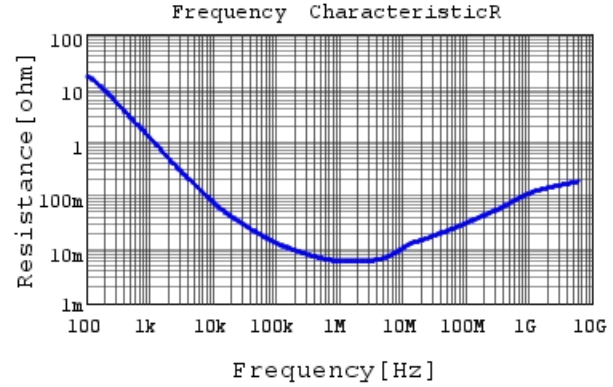


## Characteristic Data

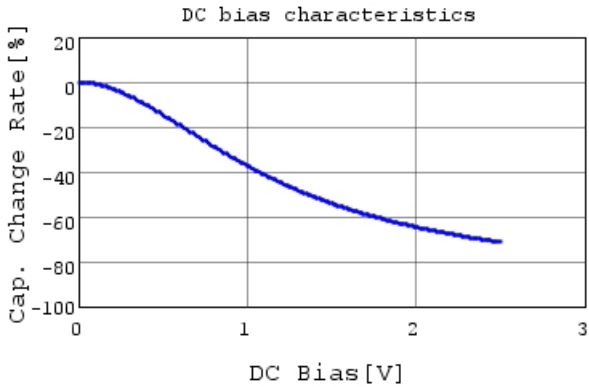
The charts below may show another part number which shares its characteristics.



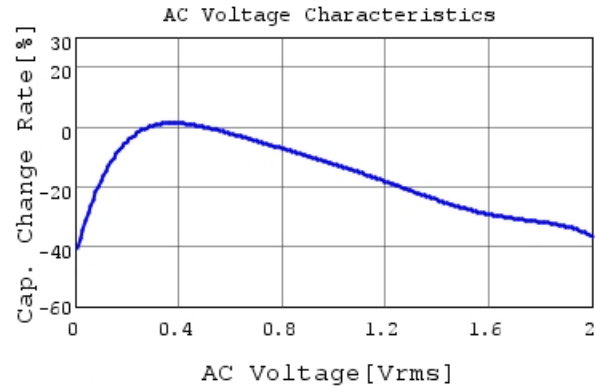
GRM033C80E475ME05 |Z| DCOV, 25degC



GRM033C80E475ME05 R DCOV, 25degC



GRM033C80E475ME05 C-DC bias capchange, 25.0c



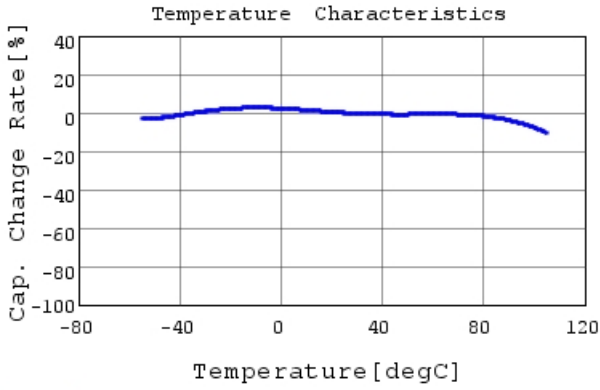
GRM033C80E475ME05 C-AC Voltage capchange, Dc

**Attention**

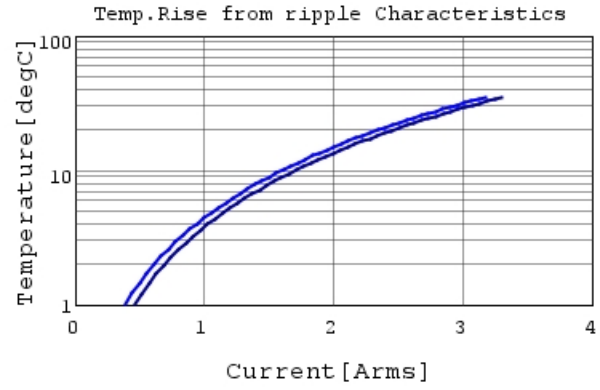
- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.This datasheet 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.

# GRM033C80E475ME05#

“#” at the end indicates the package specification code.



GRM033C80E475ME05 C-Temp. capchange, DC0.0V,



GRM033C80E475ME05 Temp.rise — 500kHz

**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.