

# GRT188R61E475KE13#

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



## < List of part numbers with package codes >

GRT188R61E475KE13D

GRT188R61E475KE13W

GRT188R61E475KE13J

GRT188R61E475KE13V

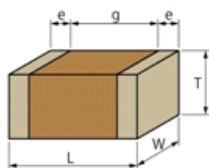
## Applications

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                  |
| Specific Applications   | Automotive infotainment/comfort equipment, Industrial Equipment, Medical equipment [GHTF A/B/C] except for implant equipment<br>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. |

## Notices

Derating1

## Appearance & Shape



## References

| Packaging | Specifications              | Standard Packing Quantity |
|-----------|-----------------------------|---------------------------|
| D         | φ180mm Reel Paper Tape      | 4000                      |
| W         | φ180mm Reel W8P2 Paper Tape | 8000                      |
| J         | φ330mm Reel Paper Tape      | 10000                     |
| V         | φ330mm Reel W8P2 Paper Tape | 30000                     |

| Mass (typ.) |       |
|-------------|-------|
| 1 piece     | 8.1mg |

### Attention

1. 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.

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## Specifications

|                                                  |               |
|--------------------------------------------------|---------------|
| Length                                           | 1.6±0.15mm    |
| Width                                            | 0.8±0.15mm    |
| Thickness                                        | 0.8±0.15mm    |
| Capacitance                                      | 4.7μF ±10%    |
| Distance between external terminals g            | 0.6mm min.    |
| External terminal size e                         | 0.2 to 0.55mm |
| Operating Temperature Range                      | -55°C to 85°C |
| Rated Voltage                                    | 25Vdc         |
| Size code in inch(mm)                            | 0603 (1608M)  |
| Capacitance change rate                          | ±15.0%        |
| Temperature characteristics (complied standard)  | X5R(EIA)      |
| Temperature range of temperature characteristics | -55°C to 85°C |

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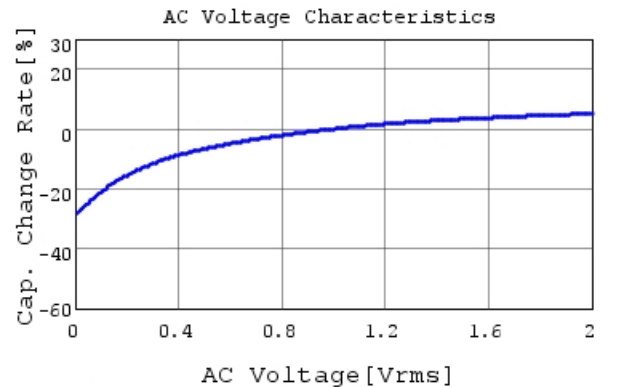
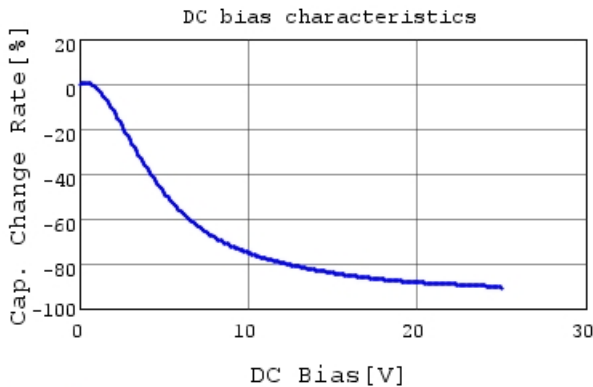
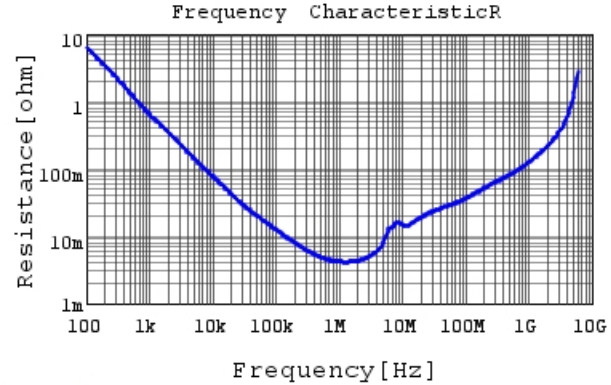
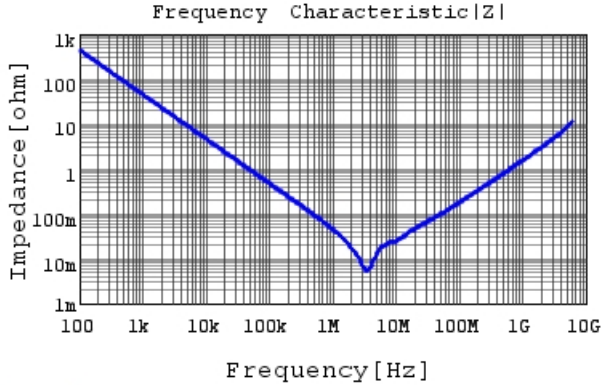
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## Characteristic Data

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



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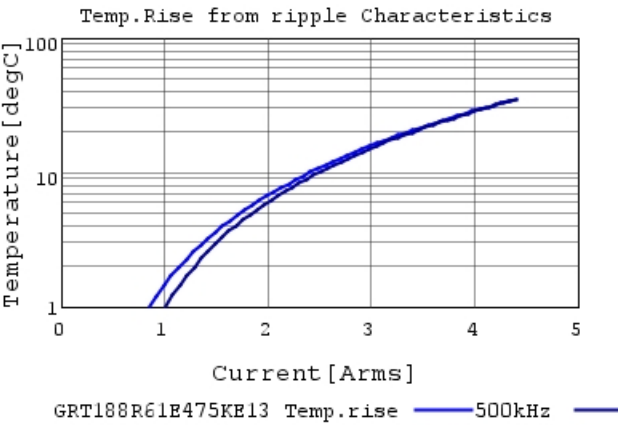
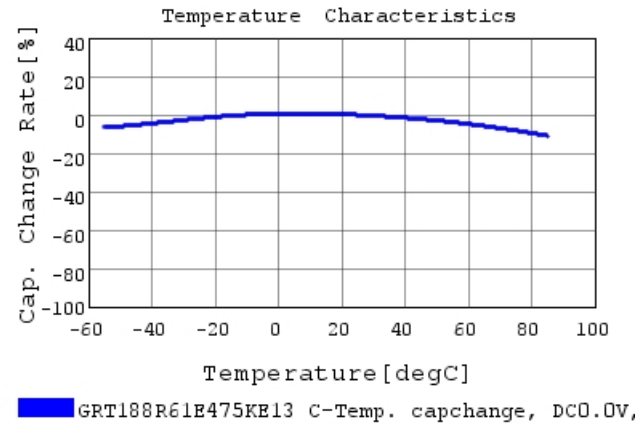
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