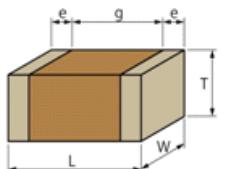




< List of part numbers with package codes >

GRT188C8YA105KE13D, GRT188C8YA105KE13J

Shape



| | |
|---------------------------------------|--------------|
| 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 (1608M) |

Notes

Derating1

References

| Packaging | Specifications | Minimum quantity |
|-----------|---------------------|------------------|
| D | ø180mm Paper taping | 4000 |
| J | ø330mm Paper taping | 10000 |

| Mass (typ.) | |
|-------------|-------|
| 1 piece | 6.3mg |
| ø180mm Reel | 144g |

Specifications

| | |
|--|--------------|
| Capacitance | 1.0µF ±10% |
| Rated voltage | 35Vdc |
| Temperature characteristics (complied standard) | X6S(EIA) |
| Capacitance change rate | ±22.0% |
| Temperature range of temperature characteristics | -55 to 105°C |
| Operating temperature range | -55 to 105°C |

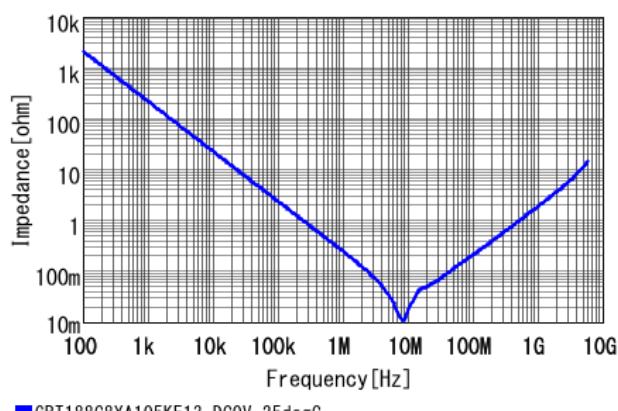
Attention

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.

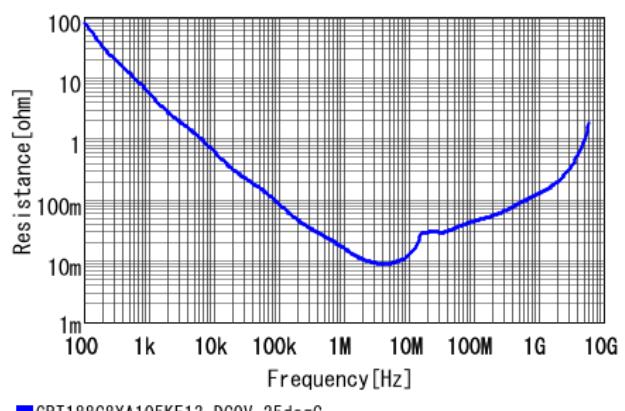
2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

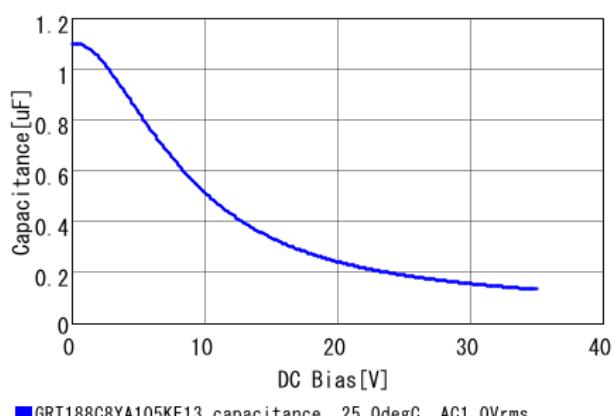
Frequency Characteristic |Z|



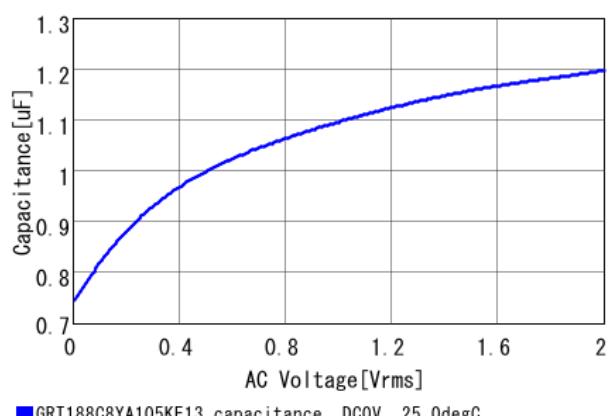
Frequency Characteristic R



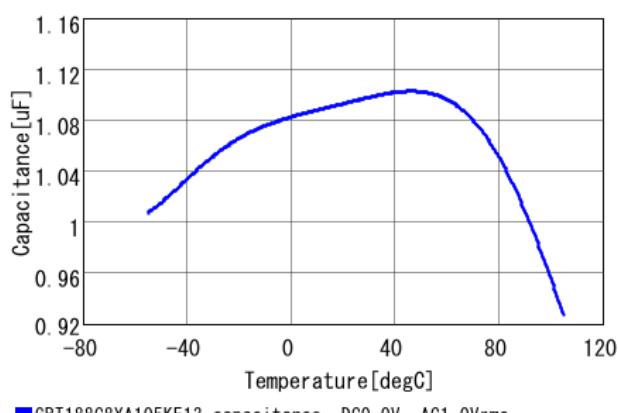
DC bias characteristics



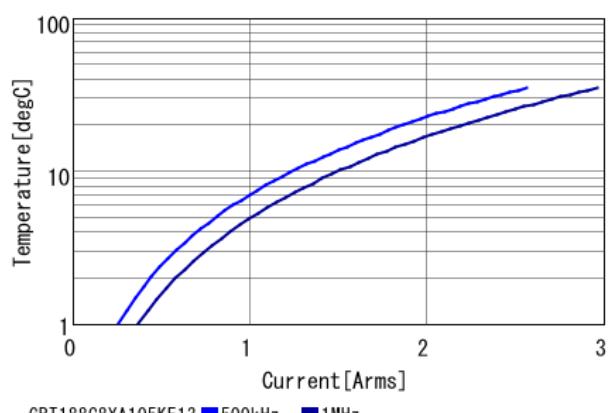
AC Voltage Characteristics



Temperatur Characteristics



Temp. Rise from ripple Characteristics



⚠ 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Murata](#):

[GRT188C8YA105KE13D](#)