

# GRM188R71E224KA88#

“#” indicates a package specification code.



< List of part numbers with package codes >

GRM188R71E224KA88D      GRM188R71E224KA88J

## Appearance & Shape



## References

| Packaging | Specifications   | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| D         | 180mm Paper Tape | 4000                      |
| J         | 330mm Paper Tape | 10000                     |

| Mass (typ.) |       |
|-------------|-------|
| 1 piece     | 6.3mg |
| φ180mm Reel | 144g  |

### Attention

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- 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.

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## Specifications

|  |                |
|--|----------------|
| Length   | 1.6±0.1mm      |
| Width  | 0.8±0.1mm      |
| Thickness  | 0.8±0.1mm      |
| Capacitance                                      | 0.22μF ±10%    |
| Distance between external terminals g            | 0.5mm min.     |
| External terminal size e                         | 0.2 to 0.5mm   |
| Operating Temperature Range                      | -55°C to 125°C |
| Rated Voltage                                    | 25Vdc          |
| Size code in inch(mm)                            | 0603 (1608M)   |
| Capacitance change rate                          | ±15.0%         |
| Temperature characteristics (complied standard)  | X7R(EIA)       |
| Temperature range of temperature characteristics | -55°C to 125°C |

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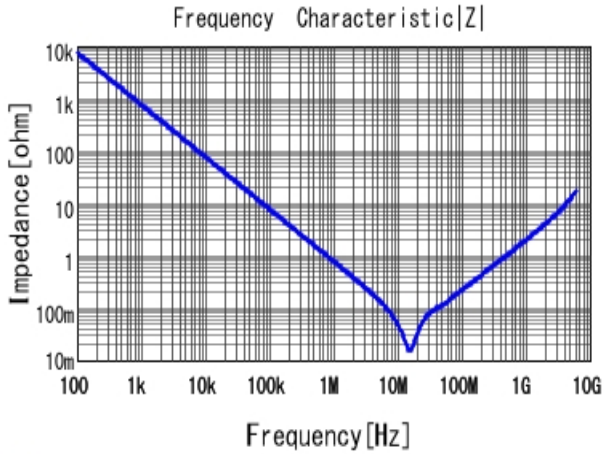
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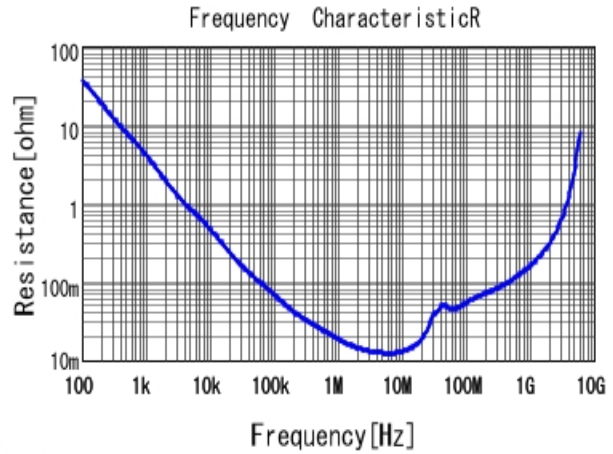
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## Characteristic Data

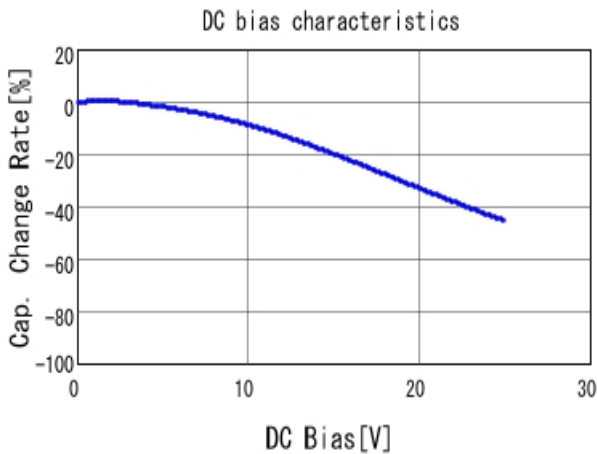
The charts below may show another part number which shares its characteristics.



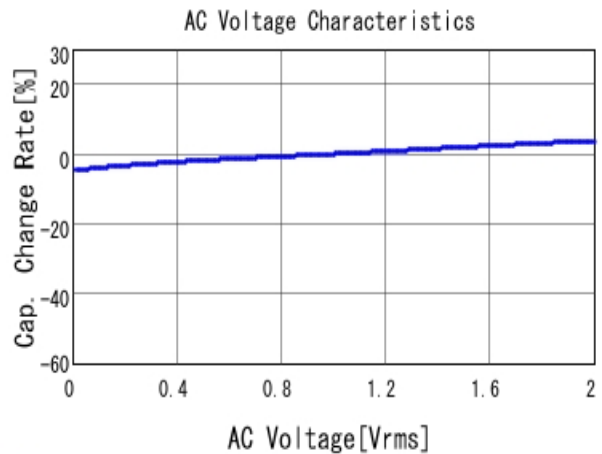
■ GRM188R71E224KA88 |Z| DCOV, 25degC



■ GRM188R71E224KA88 R DCOV, 25degC



■ GRM188R71E224KA88 C-DC bias capchange, 25.0degC, AC1.



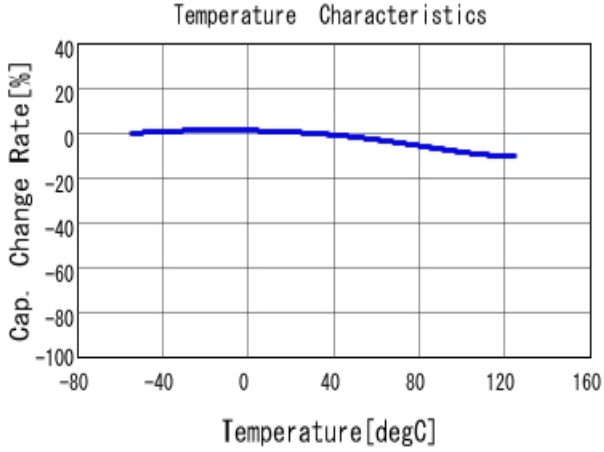
■ GRM188R71E224KA88 C-AC Voltage capchange, DCOV, 25.0d

**Attention**

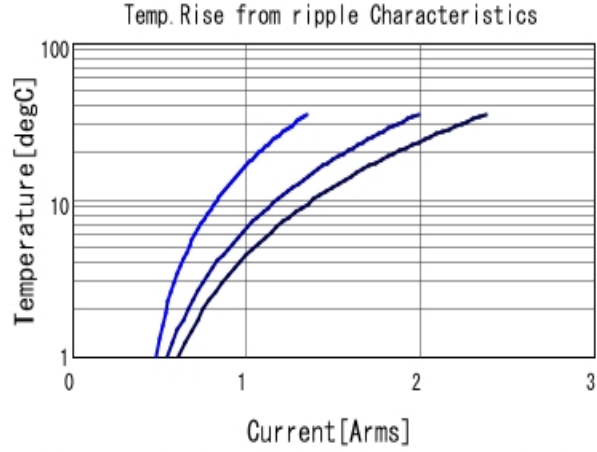
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■ GRM188R71E224KA88 C-Temp. capchange, DCO. 0V, AC1.0V<sub>rm</sub>



GRM188R71E224KA88 Temp. rise ■ 300kHz ■ 600kHz ■ 1MHz

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