

# GRM31CR60J227ME11#

# indicates a package specification code.



< List of part numbers with package codes >  
 GRM31CR60J227ME11L , GRM31CR60J227ME11K

## Shape

|                                       |              |
|---------------------------------------|--------------|
|                                       |              |
| L size                                | 3.2 ±0.3mm   |
| W size                                | 1.6 ±0.3mm   |
| T size                                | 1.6 ±0.3mm   |
| External terminal width e             | 0.3 to 0.9mm |
| Distance between external terminals g | 1.5mm min.   |
| Size code in inch(mm)                 | 1206 (3216M) |

## Notes

Measure capacitance after heat treatment.  
 Derating1

## References

| Packaging | Specifications         | Minimum quantity |
|-----------|------------------------|------------------|
| L         | φ180mm Embossed taping | 2000             |
| K         | φ330mm Embossed taping | 6000             |

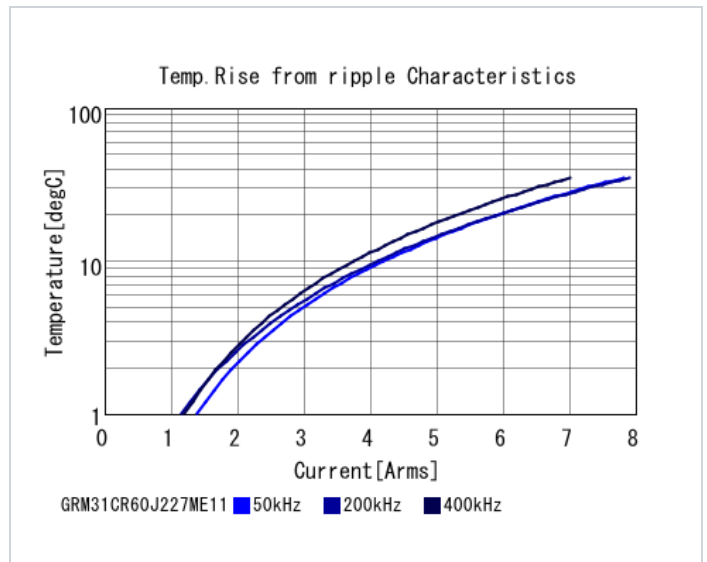
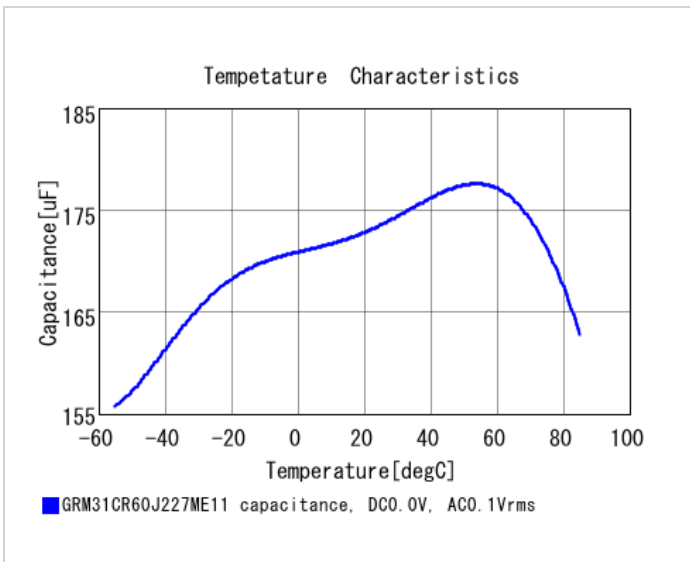
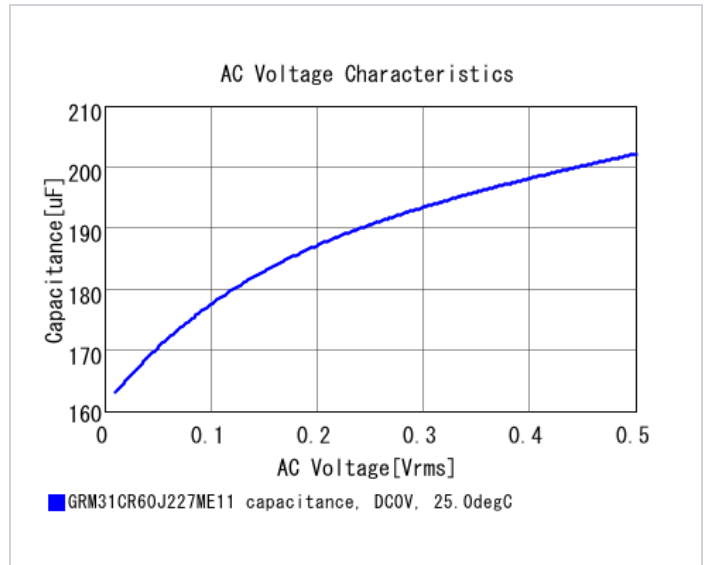
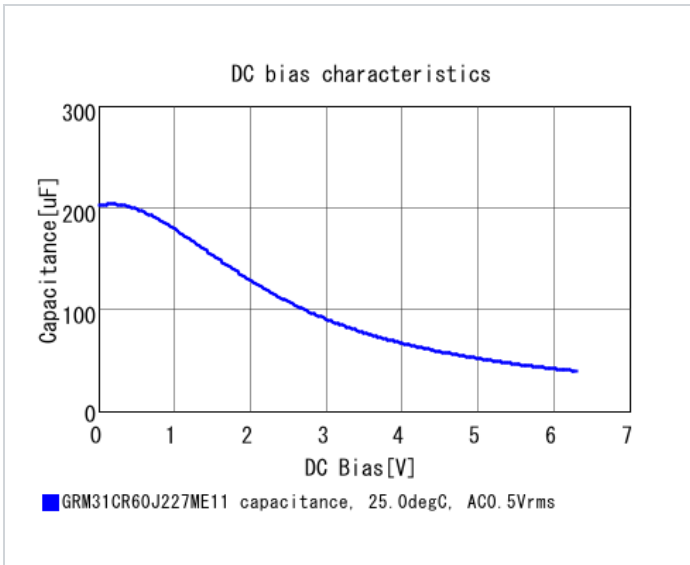
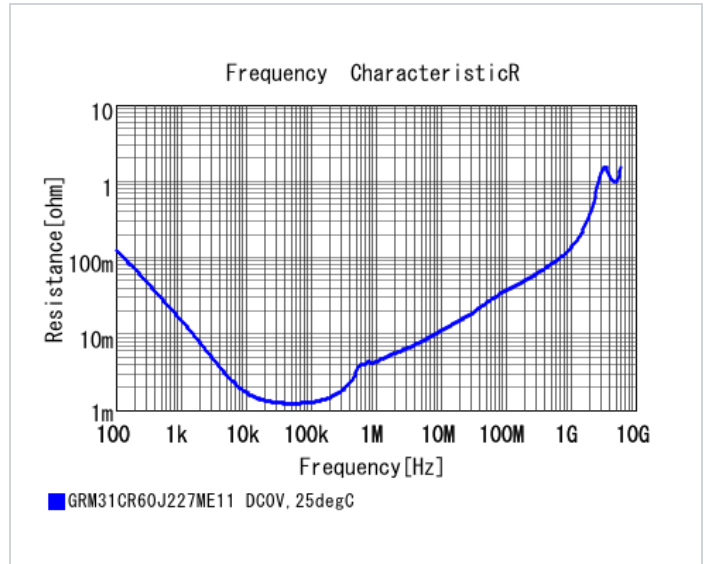
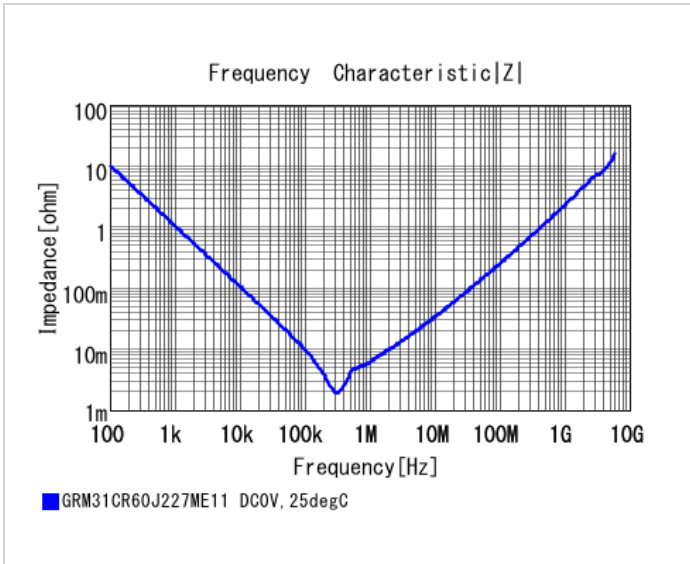
| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 64.0mg |
| φ180mm Reel | 169g   |

## Specifications

|  |             |
|--|-------------|
| Capacitance                                      | 220μF ±20%  |
| Rated voltage                                    | 6.3Vdc      |
| Temperature characteristics (complied standard)  | X5R(EIA)    |
| Capacitance change rate                          | ±15.0%      |
| Temperature range of temperature characteristics | -55 to 85°C |
| Operating temperature range                      | -55 to 85°C |

### Attention

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