

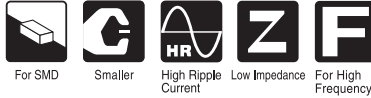


**THE DATASHEET OF  
RSL1C150MCN1GB**

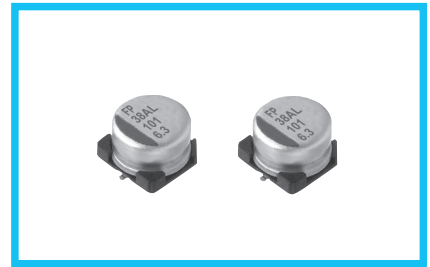


**RSL**

Low Profile (φ6.3)



**FPCAP**



- Low ESR, High Capacitance, High ripple current.
- Low Profile (Height 4.2mm).
- Load life of 2000 hours at 105°C.
- SMD type : Lead free reflow soldering condition at 260°C peak correspondence.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).

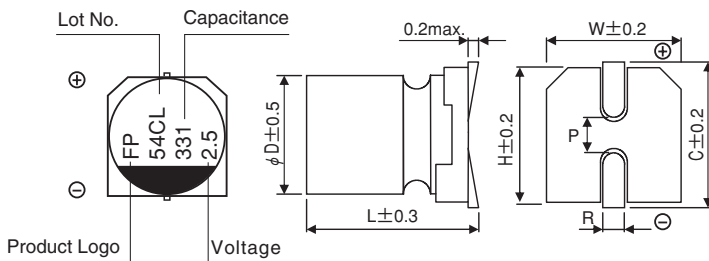


■ Specifications

| Item                          | Performance Characteristics  |   |
|-------------------------------|--|---|
| Category Temperature Range    | -55 to +105°C  |   |
| Rated Voltage Range           | 2.5 to 25V   |   |
| Rated Capacitance Range       | 15 to 330μF  |   |
| Capacitance Tolerance         | ±20% at 120Hz, 20°C  |   |
| Tangent of loss angle (tan δ) | Less than or equal to the specified value at 120Hz, 20°C   |   |
| ESR (※1)                      | Less than or equal to the specified value at 100kHz, 20°C  |   |
| Leakage Current (※2)          | Less than or equal to the specified value. After 2 minutes' application of rated voltage at 20°C |   |
| Endurance                     | Test condition   | 105°C, rated voltage 2000Hrs.                     |
|                               | Capacitance change   | Within ±20% of initial value before test          |
|                               | tan δ  | 150% or less than the initial specified value     |
|                               | ESR(※1)  | 150% or less than the initial specified value     |
|                               | Leakage current (※2)   | Less than or equal to the initial specified value |

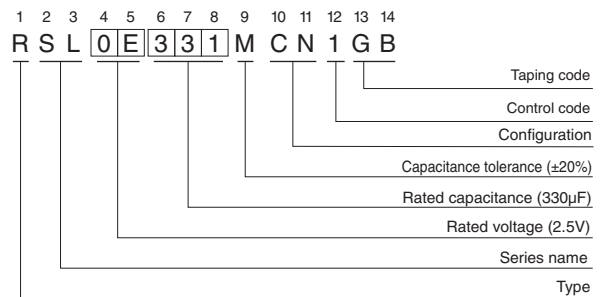
※1 ESR should be measured at both of the terminal ends closest where the terminals protrude through the plastic platform.  
 ※2 Conditioning : If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105°C.

■ Dimensions



| (mm)    |     |     |     |            |     |
|---------|-----|-----|-----|------------|-----|
| φD×L    | W   | H   | C   | R          | P   |
| 6.3×4.2 | 6.5 | 6.5 | 7.2 | 0.5 to 0.9 | 2.1 |

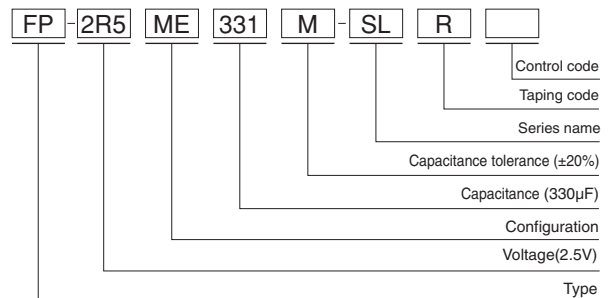
Type numbering system (Example : 2.5V 330μF)  
 Nichicon part number



● Frequency coefficient of rated ripple current

|             |        |       |        |         |         |
|-------------|--------|-------|--------|---------|---------|
| Frequency   | 120 Hz | 1 kHz | 10 kHz | 100 kHz | 300 kHz |
| Coefficient | 0.10   | 0.45  | 0.50   | 1.00    | 1.00    |

FPCAP part number

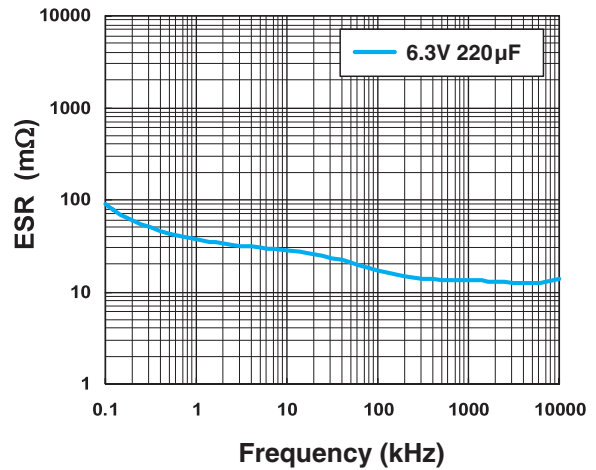
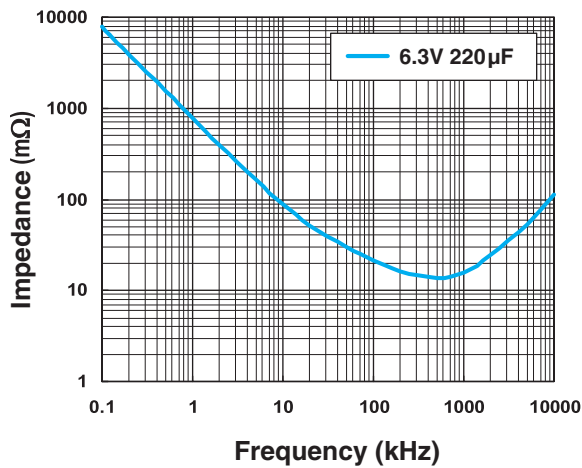


# RSL

## ■ Dimensions

| Rated Voltage (V) (code) | Surge Voltage (V) | Rated Capacitance (μF) | Case Size φD×L (mm) | tan δ | Leakage Current (μA) (at 20°C after 2 minutes) | ESR (mΩ) (20°C/100kHz) | Rated Ripple Current (mA) (105°C/100kHz) | NICHICON       | FPCAP            |
|--------------------------|-------------------|------------------------|---------------------|-------|--|------------------------|--|----------------|------------------|
| 2.5 (0E)                 | 2.8               | 100                    | 6.3×4.2             | 0.12  | 300  | 16                     | 3500                                     | RSL0E101MCN1GB | FP-2R5ME101M-SLR |
|                          |                   | 220                    | 6.3×4.2             | 0.12  | 300  | 16                     | 3500                                     | RSL0E221MCN1GB | FP-2R5ME221M-SLR |
|                          |                   | 330                    | 6.3×4.2             | 0.12  | 412  | 16                     | 3500                                     | RSL0E331MCN1GB | FP-2R5ME331M-SLR |
| 6.3 (0J)                 | 7.2               | 100                    | 6.3×4.2             | 0.12  | 315  | 18                     | 3200                                     | RSL0J101MCN1GB | FP-6R3ME101M-SLR |
|                          |                   | 150                    | 6.3×4.2             | 0.12  | 472  | 18                     | 3200                                     | RSL0J151MCN1GB | FP-6R3ME151M-SLR |
|                          |                   | 220                    | 6.3×4.2             | 0.12  | 693  | 18                     | 3200                                     | RSL0J221MCN1GB | FP-6R3ME221M-SLR |
| 10 (1A)                  | 11.5              | 100                    | 6.3×4.2             | 0.12  | 500  | 25                     | 2500                                     | RSL1A101MCN1GB | FP-010ME101M-SLR |
| 16 (1C)                  | 18.4              | 15                     | 6.3×4.2             | 0.12  | 300  | 45                     | 1900                                     | RSL1C150MCN1GB | FP-016ME150M-SLR |
| 25 (1E)                  | 28.7              | 15                     | 6.3×4.2             | 0.12  | 100  | 55                     | 1700                                     | RSL1E150MCN1GB | FP-025ME150M-SLR |

## ■ Frequency Characteristics (The frequency characteristics are typical and not a guaranteed value.)



• For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View RSL1C150MCN1GB on WIN SOURCE](#)

 [Nichicon](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management