

RSL

Low Profile ($\phi 6.3$)



For SMD



Smaller



High Ripple Current

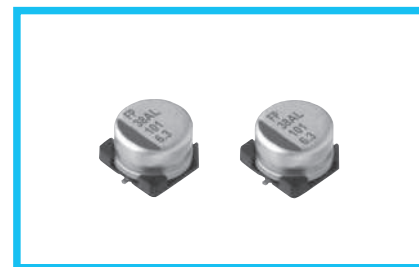


Low Impedance



For High Frequency

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).



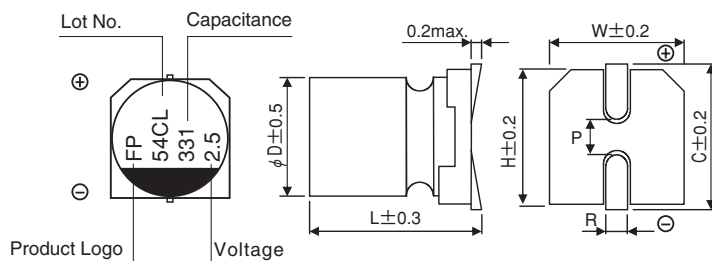
Specifications

Item	Performance Characteristics	
Category Temperature Range	-55 to +105°C	
Rated Voltage Range	2.5 to 25V	
Rated Capacitance Range	15 to 330 μ F	
Capacitance Tolerance	$\pm 20\%$ 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 $\pm 20\%$ 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.

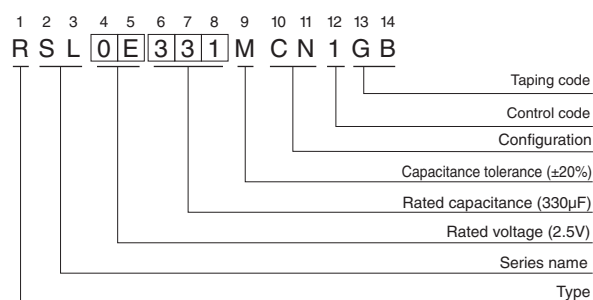
*2 Conditioning : If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105°C.

Dimensions



(mm)					
$\phi D \times L$	W	H	C	R	P
6.3 $\times$ 4.2	6.5	6.5	7.2	0.5 to 0.9	2.1

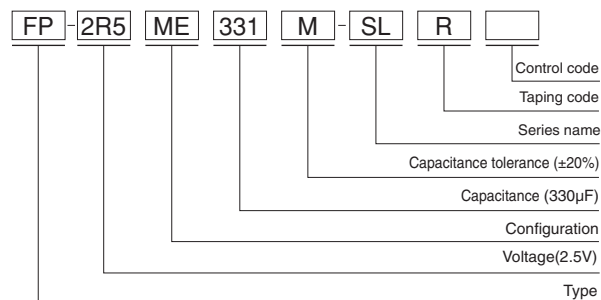
Type numbering system (Example : 2.5V 330 μ F)
Nichicon part number



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

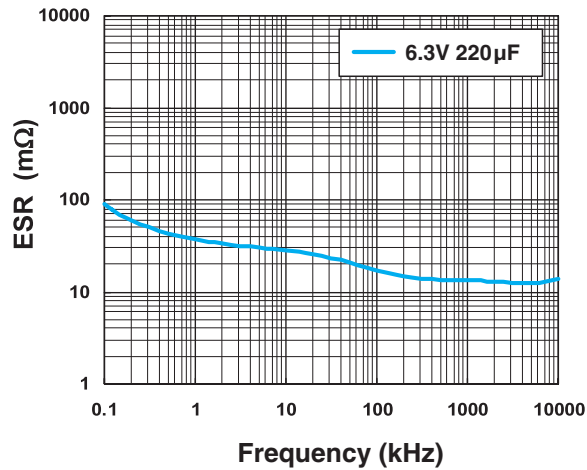
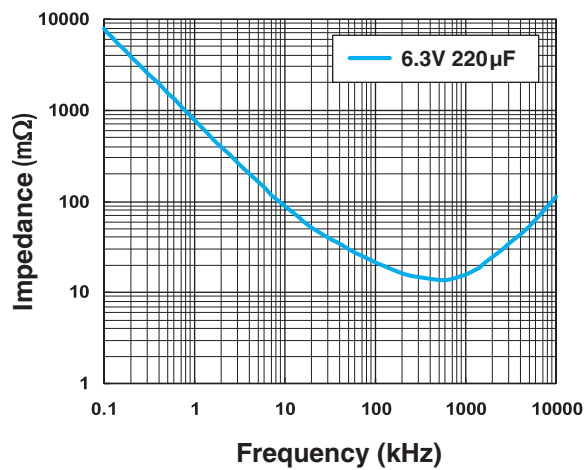


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■ Dimensions

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 rms) (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.