

RVE Series

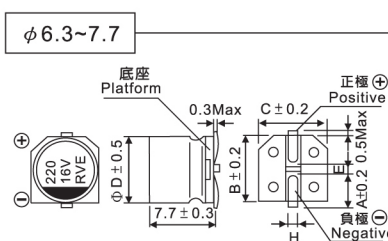
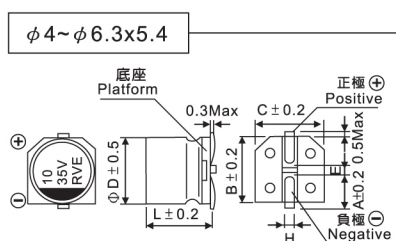
- 1000-hours-load life at 105°C
- Low impedance capacitors
- Designed for surface mounting on high density PC board.
- RoHS Compliance



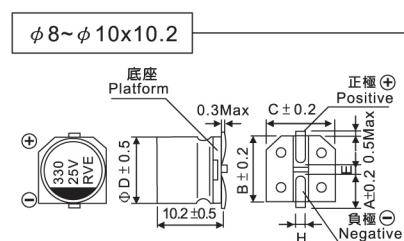
SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-55 ~ +105°C						
Rated Voltage Range	6.3v to 50Vdc						
Capacitance Tolerance	± 20% (M) (at 20°C , 120Hz)						
Leakage Current	I=0.01CV or 3 μA , whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)						
Dissipation Factor (tan δ)	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V	50V
	tan δ (Max.)	0.26	0.20	0.16	0.14	0.12	0.12
Low Temperature Characteristics	Impedance ration max at 120Hz						
	Working voltage	6.3v	10v	16v	25v	35v	50v
	Z-25°C/ Z+20°C	4	3	2	2	2	2
	Z-40°C/ Z+20°C	12	8	6	4	3	3
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 1000 hours at 105°C						
	Capacitance change	≤ ±30% of the initial value					
	DF (tan δ)	≤300 % of the initial specified value					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.						
	Capacitance change	≤ ±30% of the initial value					
	DF (tan δ)	≤200 % of the initial specified value					
Ripple Current Multiplier	Frequency coefficient						
	Frequency	50 , 60	120	1K	10K~		
	Multiplier	0.64	0.8	0.93	1.0		

DIAGRAM OF DIMENSIONS



LEAD SPACING AND DIAMETER Unit: mm



ϕD	A	B	C	E	L	H
4.0	1.8	4.3	4.3	1.0	5.4	0.5~0.8
5.0	2.1	5.3	5.3	1.3	5.4	
6.3	2.4	6.6	6.6	2.1	5.4	
6.3	2.4	6.6	6.6	2.1	7.7	
8.0	2.9	8.3	8.3	3.1	10.2	0.8~1.1
10.0	3.2	10.3	10.3	4.0	10.2	

● STANDARD RATING

Cap(μF)	Vdc	6.3v(0J)			10v(1A)			16v(1C)		
		D*L	mA	Ω	D*L	mA	Ω	D*L	mA	Ω
10							4*5.4	50	4.5	
22		4*4.5	50	4.5	4*5.4	50	4.5	5*5.4	80	1.9
33		5*5.4	80	1.9	5*5.4	80	1.9	6.3*5.4	115	1.1
47		5*5.4	80	1.9	6.3*5.4	115	1.1	6.3*5.4	115	1.1
100		6.3*5.4	115	1.1	6.3*5.4	115	1.1	6.3*7.7	150	0.85
150		6.3*5.4	115	1.1	6.3*7.7	150	0.85	6.3*7.7	150	0.85
220		6.3*7.7	150	0.85	6.3*7.7	150	0.85	8*10.2	240	0.43
330		6.3*7.7	150	0.85	8*10.2	240	0.43	8*10.2	240	0.43
470		8*10.2	240	0.43	8*10.2	240	0.43	10*10.2	360	0.23
1000		10*10.2	360	0.23	10*10.2	360	0.23			
1500		10*10.2	360	0.23						

Cap(μF)	Vdc	25v(1E)			35v(1V)			50v(1H)		
		D*L	mA	Ω	D*L	mA	Ω	D*L	mA	Ω
2.2							4*5.4	38	7.3	
3.3							4*5.4	38	7.3	
4.7		4*5.4	50	4.5	4*5.4	50	4.5	4*5.4	38	7.3
10		4*5.4	50	4.5	5*5.4	80	1.9	5*5.4	53	3.8
22		6.3*5.4	115	1.1	6.3*5.4	115	1.1	6.3*5.4	103	2.2
33		6.3*5.4	115	1.1	6.3*5.4	115	1.1	6.3*7.7	116	1.7
47		6.3*5.4	150	0.85	6.3*7.7	150	0.85	6.3*7.7	116	1.7
100		6.3*7.7	150	0.85	8*10.2	240	0.43	8*10.2	185	0.85
150		6.3*7.7	240	0.43	10*10.2	360	0.23	10*10.2	418	0.45
220		8*10.2	240	0.43	10*10.2	360	0.23	10*10.2	418	0.45
330		10*10.2	360	0.23	10*10.2	360	0.23			
470		10*10.2	360	0.23						

Maximum Ripple Current: mA/rms at 100KHz 105°C
Maximum Impedance: 20°C 100KHz

Chip Type SMD
Miniature Type
General Purpose
High Frequency Low Impedance
High Voltage High Reliability
Non-polar Type
Large Size Snap-in
Large Size Screw
X Metallized Polypropylene Film Capacitors