

RVT Series

- 1000-hours-load life at 105°C
- Operating over wide temperature range, 105°C standard product
- Available for high density surface mounting
- RoHS Compliance

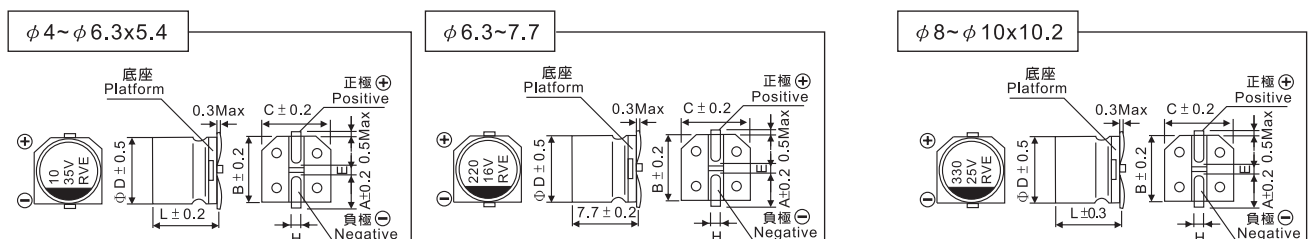


● SPECIFICATIONS

Items	Characteristics
Category	-55 ~ +105°C
Temperature Range	
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 (μ F) .V :Rated voltage(V) (at 20°C , after 2 minutes)
Dissipation Factor (tan δ)	Rated voltage (Vdc) 6.3V 10V 16V 25V 35V 50V 63V 100V tan δ (Max.) 0.30 0.24 0.20 0.18 0.16 0.15 0.14 0.14 (at 20°C ,120Hz)
Low Temperature Characteristics	Impedance ration max at 120Hz Working voltage 6.3v 10v 16v 25v 35v 50v 63v 100v Z-25°C/ Z+20°C 4 3 2 2 2 2 2 3 Z-40°C/ Z+20°C 10 8 6 4 3 3 3 4
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 Leakage current ≤ 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 Leakage current ≤ 300% of initial specified value
Ripple Current Multiplier	Frequency coefficient Frequency 50Hz 120Hz 300Hz 1KHz 10KHz~ Multiplier 0.70 1.00 1.17 1.36 1.50

● 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

Vdc Item Cap(uF)	6.3v(0J)		10v(1A)		16v(1C)		25v(1E)	
	D*L	mA	D*L	mA	D*L	mA	D*L	mA
4.7							4*5.4	14
10					4*5.4	17	4*5.4	15
							5*5.4	21
22	4*5.4	22	4*5.4	21	4*5.4	21	5*5.4	26
			5*5.4	26	5*5.4	28	6.3*5.4	37
33	4*5.4	23	4*5.4	23	5*5.4	29	5*5.4	30
	5*5.4	28	5*5.4	34	6.3*5.4	45	6.3*5.4	45
47	4*5.4	26	5*5.4	31	5*5.4	33	6.3*5.4	49
	5*5.4	34	6.3*5.4	42	6.3*5.4	48	8*6.5	93
100	5*5.4	40	5*5.4	40	6.3*5.4	63	6.3*7.7	93
	6.3*5.4	52	6.3*5.4	55	8*6.5	125	6.3*7.7	93
150	6.3*5.4	56	6.3*5.4	65	6.3*7.7	100	8*10.2	148
	6.3*5.4	69	6.3*7.7	110	6.3*7.7	110		
220	6.3*7.7	108	8*6.5	110	8*6.5	110	8*10.2	183
330	6.3*7.7	108	8*10.2	108	8*10.2	201	8*10.2	228
							10*10.2	248
470	6.3*7.7	125	8*10.2	214	8*10.2	240		
	8*10.2	214	10*10.2	266	10*10.2	300	10*10.2	286
680	8*10.2	214	10*10.2	277	10*10.2	322		
1000	8*10.2	235						
	10*10.2	310	10*10.2	320	10*10.2	347		
1500	10*10.2	320						

Vdc Item Cap(uF)	35v(1V)		50v(1H)		63v(1J)		100v(2A)	
	D*L	mA	D*L	mA	D*L	mA	D*L	mA
0.47			4*5.4	4.0	4*5.4	3.7		
1			4*5.4	8.0	4*5.4	7.2	4*5.4	7.2
2.2			4*5.4	12	4*5.4	12	6.3*5.4	15
3.3	4*5.4	14	4*5.4	14	5*5.4	14	6.3*5.4	22
			4*5.4	14	5*5.4	17	6.3*5.4	23
4.7	4*5.4	15	5*5.4	17	6.3*5.4	22	6.3*7.7	38
					6.3*7.7	41	8*10.2	80
10	4*5.4	15	6.3*5.4	25	6.3*5.4	26	6.3*7.7	38
	5*5.4	22						
22	6.3*5.4	40	6.3*7.7	52	8*10.2	100	10*10.2	129
			6.3*5.4	43	6.3*7.7	53	8*10.2	90
33	6.3*5.4	45						
	8*6.5	86	6.3*7.7	63	8*0.2	116	10*10.2	136
47	6.3*5.4	54	8*10.2	125	10*10.2	168		
	6.3*7.7	75	6.3*7.7	66	8*10.2	125	10*10.2	148
100	6.3*7.7	87	8*10.2	146	10*10.2	200		
	8*10.2	125	10*10.2	178				
150	8*10.2	158	10*10.2	178				
220	8*10.2	195						
	10*10.2	230	10*10.2	230				
330	10*10.2	247						

Maximum Ripple Current: mA/rms at 120Hz 105°C

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