

VF series

- Endurance: 3,000~5,000 hours at 105°C
- Long life
- Recommended Applications: System Board, Display Card, Small Changer and intelligent TV
- **RoHS Compliant and lead-free**

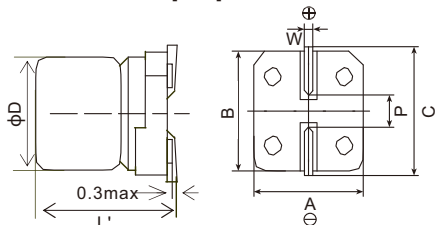


SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	-55~+105℃									
Rated Working Voltage Range	2.5~63 V _{dc}									
Nominal Capacitance Range	22~2200μF									
Capacitance Tolerance	±20%(M) (at 20℃,120Hz)									
DC Leakage Current	I≤0.2CV or 500μA, whichever is greater. Where,I:Max.leakage current(μA),C:Nominal capacitance(μF),V:Rated voltage(V) (at 20℃ after 2 minutes)									
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	2.5	6.3	10	16	25	35	50	63	
	Dissipation Factor (Max.)	0.08			0.12					(at 20℃,120Hz)
ESR(100kHz,20℃)	Value in characteristics table									
Temperature Characteristics (Impedance Ratio at 100kHz)	Z(+105℃)/Z(+20℃)≤1.25 Z(-55℃)/Z(+20℃)≤1.25									
Endurance	After applying rated voltage for 3,000~5,000 hours at 105℃,the capacitors shall meet the following requirements.									
	Appearance	No significant damage								
	Capacitance Change	≤±20% of the initial value								
	Dissipation Factor	≤150% of the initial specified value								
	ESR	≤150% of the initial specified value								
	Leakage Current	≤The initial specified value								
Humidity Test	After subjecting 90~95% RH for 2,000 hours at 60℃,no voltage. The capacitors shall meet the requirement as Endurance.									
Surge Test	After subjecting to 1,000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds, the capacitors shall meet the following requirements.									
	Appearance	No significant damage								
	Capacitance Change	≤±20% of the initial value								
	Dissipation Factor	≤150% of the initial specified value								
	ESR	≤150% of the initial specified value								
	Leakage Current	≤The initial specified value								

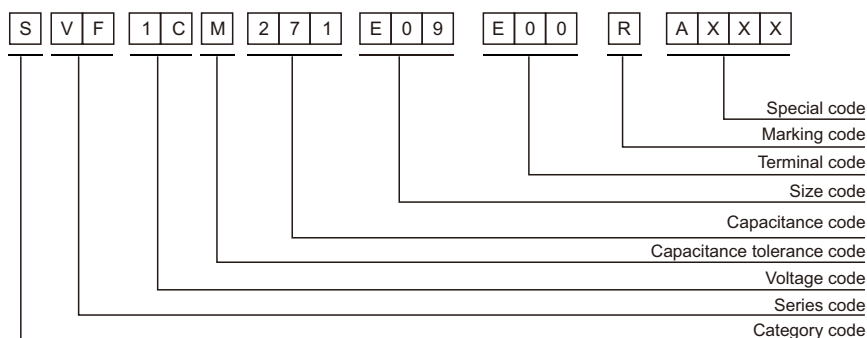
*Note: If any doubt arises, measure the leakage current after the following voltage treatment.
Voltage treatment: DC rated voltage is applied to the capacitors for 120 minutes at 105°C.

DIMENSIONS[mm]



Size Code	6.3	8	10
P±0.2	1.9	3.1	4.5
W±0.2	6.6	8.3	10.3
H±0.2	6.6	8.3	10.3
C±0.2	7.2	9.0	11.0
W	0.5~0.8	0.7~1.1	0.7~1.1
ØD'	ØD-0.1~+0.5		
L'	L±0.5		

PART NUMBERING SYSTEM



VF series

■ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Size ΦDxL(mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mA rms/105°C, 100kHz)	Leakage Current (μA)(max.)	Part Number
2.5	330	6.3×6	22	2400	500	SVF0EM331E06E00RAXXX
	390	6.3×6	22	2500	500	SVF0EM391E06E00RAXXX
	470	6.3×6	22	2600	500	SVF0EM471E06E00RAXXX
	560	6.3×6	22	2700	500	SVF0EM561E06E00RAXXX
	680	6.3×9	16	3800	500	SVF0EM681E09E00RAXXX
6.3	220	6.3×6	22	2500	500	SVF0JM221E06E00RAXXX
	270	6.3×6	22	2700	500	SVF0JM271E06E00RAXXX
	330	6.3×6	22	2700	500	SVF0JM331E06E00RAXXX
	470	6.3×9	16	3100	592	SVF0JM471E09E00RAXXX
	560	6.3×9	16	3300	706	SVF0JM561E09E00RAXXX
	1000	8×11.5	16	3800	1260	SVF0JM102FBRE00RAXXX
	1500	8×11.5	16	3900	1890	SVF0JM152FBRE00RAXXX
	2200	10×12.5	16	5000	2772	SVF0JM222GCRE00RAXXX
10	120	6.3×6	33	2400	500	SVF1AM121E06E00RAXXX
	220	6.3×6	33	2400	500	SVF1AM221E06E00RAXXX
	220	6.3×9	22	2700	500	SVF1AM221E09E00RAXXX
	330	6.3×9	22	2700	660	SVF1AM331E09E00RAXXX
	560	8×11.5	22	3200	1120	SVF1AM561FBRE00RAXXX
	560	10×12.5	22	4500	1120	SVF1AM561GCRE00RAXXX
	1000	8×11.5	16	3700	2000	SVF1AM102FBRE00RAXXX
	1000	10×12.5	16	3900	2000	SVF1AM102GCRE00RAXXX
	1500	10×12.5	16	3900	3000	SVF1AM152GCRE00RAXXX
16	47	6.3×6	44	1500	500	SVF1CM470E06E00RAXXX
	68	6.3×6	44	1800	500	SVF1CM680E06E00RAXXX
	100	6.3×6	33	2100	500	SVF1CM101E06E00RAXXX
	150	6.3×6	33	2100	500	SVF1CM151E06E00RAXXX
	150	6.3×9	27	2300	500	SVF1CM151E09E00RAXXX
	180	6.3×6	66	2200	576	SVF1CM181E06E00RAXXX
	180	6.3×9	27	2400	576	SVF1CM181E09E00RAXXX
	220	6.3×9	27	2200	704	SVF1CM221E09E00RAXXX
	270	6.3×9	27	2300	864	SVF1CM271E09E00RAXXX
	270	8×9.5	27	2500	864	SVF1CM271F9RE00RAXXX
	560	8×11.5	22	3100	1792	SVF1CM561FBRE00RAXXX
	680	10×12.5	22	3600	2176	SVF1CM681GCRE00RAXXX
	1000	10×12.5	22	3600	3200	SVF1CM102GCRE00RAXXX
25	27	6.3×6	55	900	500	SVF1EM270E06E00RAXXX
	47	6.3×6	55	1600	500	SVF1EM470E06E00RAXXX
	47	6.3×9	38	1800	500	SVF1EM470E09E00RAXXX
	56	6.3×6	55	1600	500	SVF1EM560E06E00RAXXX
	100	6.3×6	55	1800	500	SVF1EM101E06E00RAXXX
	100	6.3×9	33	2100	500	SVF1EM101E09E00RAXXX
	150	6.3×9	33	2200	750	SVF1EM151E09E00RAXXX
	220	8×11.5	33	2300	1100	SVF1EM221FBRE00RAXXX
	330	8×11.5	33	2400	1650	SVF1EM331FBRE00RAXXX
	330	10×12.5	24	2500	1650	SVF1EM331GCRE00RAXXX
	470	10×12.5	24	2700	2350	SVF1EM471GCRE00RAXXX
35	22	6.3×6	66	900	500	SVF1VM220E06E00RAXXX
	27	6.3×6	66	900	500	SVF1VM270E06E00RAXXX
	33	6.3×6	66	900	500	SVF1VM330E06E00RAXXX
	47	6.3×6	49	900	500	SVF1VM470E06E00RAXXX
	47	6.3×9	55	1300	500	SVF1VM470E09E00RAXXX
	68	6.3×9	44	1600	500	SVF1VM680E09E00RAXXX
	100	6.3×9	44	1800	700	SVF1VM101E09E00RAXXX
	100	8×11.5	33	2700	700	SVF1VM101FBRE00RAXXX
	150	8×11.5	33	2700	1050	SVF1VM151FBRE00RAXXX
	220	8×11.5	33	2100	1540	SVF1VM221FBRE00RAXXX
	270	8×11.5	33	2200	1890	SVF1VM271FBRE00RAXXX
	270	10×12.5	33	2400	1890	SVF1VM271GCRE00RAXXX
	330	10×12.5	33	2400	2310	SVF1VM331GCRE00RAXXX
	470	10×12.5	33	2700	3290	SVF1VM471GCRE00RAXXX
50	22	6.3×6	88	720	500	SVF1HM220E06E00RAXXX
	33	6.3×6	88	760	500	SVF1HM330E06E00RAXXX
	47	6.3×9	66	1200	500	SVF1HM470E09E00RAXXX
	82	10×12.5	33	1800	820	SVF1HM820GCRE00RAXXX
	100	8×11.5	33	1800	1000	SVF1HM101FBRE00RAXXX
	120	8×11.5	33	1800	1200	SVF1HM121FBRE00RAXXX
63	220	10×12.5	33	2000	2200	SVF1HM221GCRE00RAXXX
	22	6.3×6	88	400	500	SVF1JM220E06E00RAXXX
	33	6.3×9	66	450	500	SVF1JM330E09E00RAXXX
	47	8×9.5	66	900	592	SVF1JM470F9RE00RAXXX
	56	8×11.5	44	1200	706	SVF1JM560FBRE00RAXXX
	100	10×12.5	44	1400	1260	SVF1JM101GCRE00RAXXX

※ Specifications subject to change without notice.