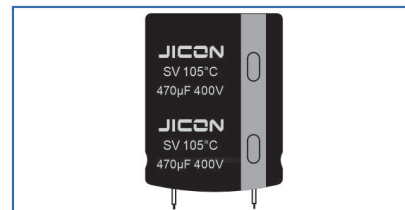


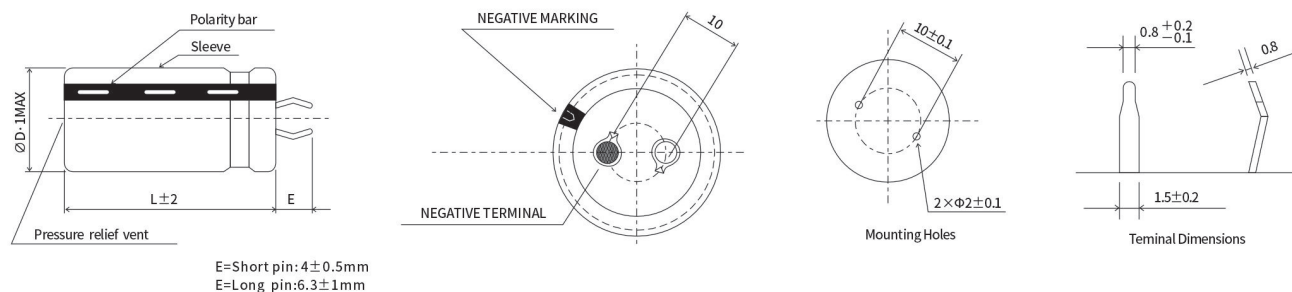
SV 系列 SERIES

- 5000h at 105°C
- High ripple current, long life
- High reliability
- RoHS Compliant



Items	Characteristics									
Operating Temperature Range(°C)	-40~+105					-25~+105				
Voltage Range (V)	10~100					160~500				
Capacitance Range (μF)	82~82000									
Capacitance Tolerance(20°C, 120Hz)	±20%									
Leakage Current (μA)	I ≤ 0.01CV or 1.5mA whichever is greater After 5 minute at 20°C application of rated voltage I:Max. leakage current (μA) C:Nominal Capacitance (μF) V:Rated Voltage (V)									
Dissipation Factor (20°C, 120Hz)	Rated Voltage (V)	10	16	25	35	50	63~100	160~400	450	500
	Tanδ(max)	0.55	0.50	0.40	0.35	0.30	0.20	0.15	0.15	0.24
Low Temperature Characteristics (Max. Impedance Ratio at 120Hz)	Rated Voltage (V)	10~25		35~100		160~400		450		500
	Z-25°C/Z+20°C	-		-		4		4		6
	Z-40°C/Z+20°C	6		3		-		-		-
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for the specified period of time at 105°C.									
	Capacitance change	≤ ± 20% of the initial value								
	D.F.(Tanδ)	≤200% of 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 1,000 hours at 105°C without voltage applied .									
	Capacitance change	≤ ± 20% of the initial value								
	D.F.(Tanδ)	≤200% of specified value								
	Leakage current	≤200% of specified value								

◆ Dimensions(mm)



◆ Temperature Coefficient

Temperature(°C)	+40	+55	+70	+85	+105
Coefficient	2.70	2.50	2.10	1.70	1.00

◆ Frequency Coefficient

Voltage(V)	Frequency			
	50/60HZ	120HZ	1KHZ	$\geq 10KHZ$
< 160	0.80	1.00	1.32	1.45
≥ 160	0.80	1.00	1.30	1.41

◆ Ratings for SV Series

UR (Surge Voltage) Code (V)	Rated Capacitance (μF)	Max Dissipation Factor 20°C120Hz tanδ	Rated Ripple Current 105°C120Hz (A rms)	Size φD×L (mm)
10(13)1A	10000	0.55	1.9	22×25
	15000	0.55	2.3	22×35
	18000	0.55	2.6	25×30
	22000	0.55	2.8	25×35
	33000	0.55	3.9	25×45
	39000	0.55	4.1	30×40
	47000	0.55	5.0	30×45
	56000	0.55	5.5	30×50
	68000	0.55	6.4	35×50
	82000	0.55	6.6	35×55
16(20)1C	8200	0.50	1.9	22×30
	10000	0.50	2.2	22×35
	12000	0.50	2.4	22×40
	15000	0.50	2.8	25×35
	18000	0.50	3.1	25×40
	22000	0.50	3.8	25×50
	27000	0.50	4.2	30×40
	33000	0.50	4.7	30×45
	39000	0.50	5.2	30×55
	47000	0.50	5.8	35×50
25(32)1E	56000	0.50	6.5	35×55
	68000	0.50	6.9	35×65
	5600	0.40	1.9	22×30
	6800	0.40	2.1	22×35
	8200	0.40	2.3	22×40
	10000	0.40	2.6	22×45
	12000	0.40	2.8	25×45
	15000	0.40	3.4	25×50
	18000	0.40	3.9	30×40
	22000	0.40	4.6	30×50
35(44)1V	33000	0.40	6.0	35×55
	39000	0.40	6.3	35×60
	47000	0.40	6.8	35×70
	3300	0.35	1.6	22×30
	3900	0.40	1.9	22×35
	4700	0.40	2.0	25×30
	5600	0.40	2.2	25×35
	6800	0.40	2.5	25×40
	8200	0.40	2.8	25×45
	10000	0.40	3.2	30×40
50(63)1H	12000	0.40	3.6	30×45
	15000	0.40	4.1	30×50
	18000	0.40	4.5	35×50
	22000	0.40	5.4	35×60
	27000	0.40	6.1	35×65
	2200	0.30	1.7	22×30
	2700	0.30	1.9	22×35
	3300	0.30	2.2	22×40
	3900	0.30	2.5	22×45
	4700	0.30	2.8	22×50
63(79)1J	5600	0.30	3.2	30×35
	6800	0.30	3.8	30×40
	8200	0.30	4.2	30×45
	10000	0.30	4.5	30×50
	12000	0.30	4.9	35×50
	15000	0.30	5.3	35×55
	18000	0.30	5.6	35×60
	1500	0.20	1.7	22×30
	1800	0.20	1.8	22×35
	2200	0.20	2.0	22×40
80(100)1K	2700	0.20	2.2	22×45
	3300	0.20	2.5	22×50
	3900	0.20	2.8	25×45
	4700	0.20	3.2	25×50
	5600	0.20	3.7	30×45
	6800	0.20	4.2	30×50
	8200	0.20	4.6	35×50
	10000	0.20	5.2	35×55
	12000	0.20	5.4	35×65
	1000	0.20	1.5	22×30
	1200	0.20	1.6	22×35
	1500	0.20	1.9	25×30
	1800	0.20	2.1	25×35
	2200	0.20	2.3	25×40
UR (Surge Voltage) Code (V)	Rated Capacitance (μF)	Max Dissipation Factor 20°C120Hz tanδ	Rated Ripple Current 105°C120Hz (A rms)	Size φD×L (mm)
80 (100)1K	2700	0.20	2.7	25×45
	3300	0.20	3.1	30×40
	3900	0.20	3.5	30×45
	4700	0.20	4.0	30×50
	5600	0.20	4.3	35×50
	6800	0.20	4.6	35×55
	8200	0.20	4.7	35×65
	680	0.20	1.4	22×30
	820	0.20	1.6	22×35
	1000	0.20	1.8	22×40
100 (125)2A	1200	0.20	2.0	25×35
	1500	0.20	2.3	25×40
	1800	0.20	2.5	25×45
	2200	0.20	2.8	30×40
	2700	0.20	3.4	30×45
	3300	0.20	3.7	35×45
	3900	0.20	4.1	35×50
	4700	0.20	4.6	35×60
	5600	0.20	5.2	35×65
	220	0.15	0.95	22×25
160(200)2C	270	0.15	1.2	22×25
	330	0.15	1.4	22×30
	390	0.15	1.7	22×35
	470	0.15	1.8	25×30
	560	0.15	2.0	25×35
	680	0.15	2.1	25×35
	820	0.15	2.2	25×45
	1000	0.15	2.4	30×40
	1200	0.15	2.6	30×45
	1500	0.15	2.8	30×50
200(250)2D	1800	0.15	3.2	35×50
	2200	0.15	3.6	35×60
	2700	0.15	3.8	35×65
	220	0.15	1.3	22×25
	270	0.15	1.4	22×30
	330	0.15	1.6	22×35
	390	0.15	1.7	22×35
	470	0.15	1.8	22×40
	560	0.15	1.9	22×45
	680	0.15	2.1	25×45
250(300)2E	820	0.15	2.3	25×50
	1000	0.15	2.5	30×45
	1200	0.15	2.7	30×50
	1500	0.15	2.8	35×50
	1800	0.15	3.2	35×55
	2200	0.15	3.6	35×60
	150	0.15	0.95	22×25
	180	0.15	1.2	22×30
	220	0.15	1.3	22×30
	270	0.15	1.4	22×35
350 (400)2V	330	0.15	1.5	22×40
	390	0.15	1.6	22×45
	470	0.15	1.7	22×50
	560	0.15	1.8	25×45
	680	0.15	2.0	30×40
	820	0.15	2.1	30×45
	1000	0.15	2.3	35×45
	1200	0.15	2.6	35×50
	1500	0.15	2.8	35×60
	1800	0.15	3.0	35×65
	100	0.15	0.85	22×25
	120	0.15	0.95	22×30
	150	0.15	1.1	22×35
	180	0.15	1.2	22×40
	220	0.15	1.3	22×45
	270	0.15	1.4	25×40
	330	0.15	1.5	25×45
	390	0.15	1.7	30×35
	470	0.15	2.0	30×40
	560	0.15	2.2	35×40
	680	0.15	2.4	35×45
	820	0.15	2.8	35×50
	1000	0.15	3.2	35×60
	1200	0.15	3.4	35×65

◆ Ratings for SV Series

UR (Surge Voltage) Code	Rated Capacitance	Max Dissipation Factor 20°C120Hz	Rated Ripple Current 105°C120Hz	Size φD×L
(V)	(μF)	tanδ	(A rms)	(mm)
400(450)2G	82	0.15	0.75	22×25
	100	0.15	0.80	22×30
	120	0.15	0.85	22×30
	150	0.15	0.95	22×35
	180	0.15	1.1	22×40
	220	0.15	1.3	22×45
	270	0.15	1.5	25×45
	330	0.15	1.7	30×35
	390	0.15	1.8	30×40
	470	0.15	2.1	35×40
	560	0.15	2.3	35×45
	680	0.15	2.5	35×55
	820	0.15	2.9	35×60
	82	0.15	0.75	22×30
420(470)2X	100	0.15	0.80	22×30
	120	0.15	0.90	22×35
	150	0.15	0.95	25×35
	180	0.15	1.1	25×40
	220	0.15	1.3	25×40
	270	0.15	1.5	25×45
	330	0.15	1.7	30×40
	390	0.15	1.8	30×45
	470	0.15	2.1	30×50
	560	0.15	2.3	35×50
	680	0.15	2.5	35×55
	820	0.15	3.1	35×65
	82	0.15	0.75	22×30
	100	0.15	0.80	22×30
450 (500)2W	120	0.15	0.90	22×35
	150	0.15	0.95	25×35
	180	0.15	1.0	25×40
	220	0.15	1.1	25×40
	270	0.15	1.4	25×50
	330	0.15	1.6	30×40
	390	0.15	1.8	30×45
	470	0.15	2.1	35×45
	560	0.15	2.3	35×50
	680	0.15	2.7	35×60
	820	0.15	3.2	35×65
	100	0.24	0.75	25×30
	120	0.24	0.85	25×35
	150	0.24	0.95	25×40
500(550)2H	180	0.24	1.2	25×45
	220	0.24	1.3	30×40
	270	0.24	1.5	30×45
	330	0.24	1.9	30×50
	390	0.24	2.0	35×50
	470	0.24	2.2	35×55
	560	0.24	2.4	35×65