

SJV SERIES

Load Life : 105°C 3000 hours, Lead Free Reflow Soldering

◆FEATURES

- Load Life : 105°C 3000 hours.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-40~+105°C						
Rated Voltage Range	6.3~50Vdc						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)						
(tanδ) Dissipation Factor(MAX)	Rated Voltage (Vdc)	6.3	10	16	25	35	50
	tanδ	0.30	0.24	0.20	0.16	0.14	0.14
Endurance	After applying rated voltage with rated ripple current for 3000 hours at 105°C, the capacitors shall meet the following requirements.						
	Capacitance Change	Within ±30% of the initial value.					
	Dissipation Factor	Not more than 300% of the specified value.					
	Leakage Current	Not more than the specified value.					
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)	6.3	10	16	25	35	50
	Z(-25°C)/Z(20°C)	4	3	2	2	2	2
	Z(-40°C)/Z(20°C)	14	12	8	6	4	3



◆DIMENSIONS

(mm)

φD	L	A ₁	B ₁	C	W ₁	P
4	6.1	4.3	4.3	1.8	0.5~0.8	1.0
5	6.1	5.3	5.3	2.2	0.5~0.8	1.3
6.3	6.1	6.6	6.6	2.7	0.5~0.8	1.8
6.3	8.0	6.6	6.6	2.7	0.5~0.8	1.8

◆MARKING

Lot No.

47

CSJ

Series

Rated voltage code

Negative

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◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient	0.47~1μF	0.50	1.00	1.20	1.30
	2.2~4.7μF	0.65	1.00	1.20	1.30
	10~47μF	0.80	1.00	1.20	1.30
	100~220μF	0.80	1.00	1.10	1.15

◆STANDARD SIZE

Size φD×L(mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
6.3	22	4×6.1	22
	47	5×6.1	38
	100	6.3×6.1	69
	220	6.3×8	120
10	33	5×6.1	35
16	10	4×6.1	18
	22	5×6.1	30
	47	6.3×6.1	50
	100	6.3×8	81

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
25	33	6.3×6.1	50
	47	6.3×8	63
35	4.7	4×6.1	16
	10	5×6.1	27
	22	6.3×6.1	44
	33	6.3×8	57

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
50	0.47	4×6.1	4
	1	4×6.1	8
	2.2	4×6.1	11
	3.3	4×6.1	14
	4.7	5×6.1	19
	10	6.3×6.1	32
	22	6.3×8	58

◆PART NUMBER

Rated Voltage	SJV	Capacitance	M	Option	D×L
Series	Capacitance Tolerance	Option	Case Size		