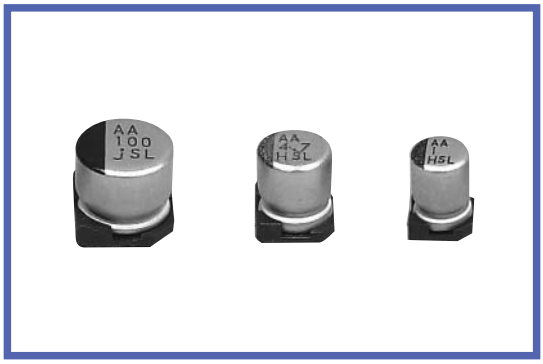
SLV SERIES

105°C Long Life, Lead Free Reflow Soldering.



◆FEATURES

- Load Life : 105°C 5000 hours.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

◆SPECIFICATIONS

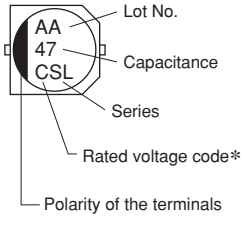
Items	Characteristics
Category Temperature Range	-40~+105°C
Rated Voltage Range	6.3~50V.DC
Capacitance Tolerance	±20%(20°C,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V): 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 5000 hrs 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 (V): 6.3 / 10 / 16 / 25 / 35 / 50 (120Hz) Z(−25°C)/Z(20°C): 4 / 3 / 2 / 2 / 2 / 2 Z(−40°C)/Z(20°C): 14 / 12 / 8 / 6 / 4 / 3

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	0.1~1μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
	10~47μF	0.80	1.00	1.20	1.30	1.50
	100μF	0.80	1.00	1.10	1.15	1.20

◆MARKING



*Voltage Code

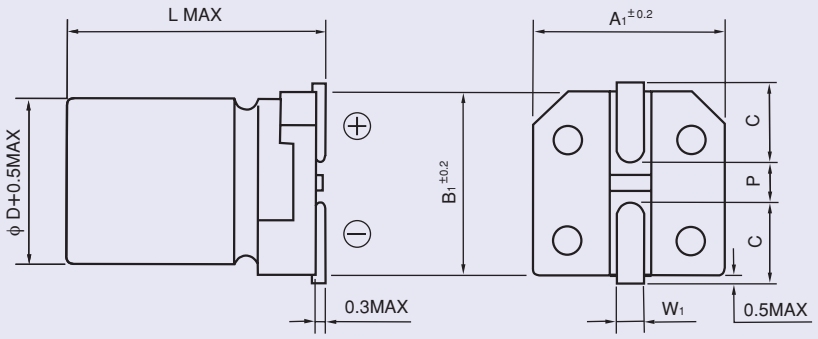
Rated Voltage (V)	6.3	10	16	25	35	50
Rated Voltage code	j	A	C	E	V	H

◆PART NUMBER

□□□ Rated Voltage | SLV Series | □□□□□ Rated Capacitance | □ Capacitance Tolerance | □□□ Option | D×L Case Size

◆DIMENSIONS

(mm)



φ D	L	A1	B1	C	W1	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

◆STANDARD SIZE

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

WV (V.DC) / Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4×6.1	1.0
0.22											4×6.1	2.6
0.33											4×6.1	3.2
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									4×6.1	16	5×6.1	19
10					4×6.1	18			5×6.1	27	6.3×6.1	32
22	4×6.1	22			5×6.1	30			6.3×6.1	44		
33			5×6.1	35			6.3×6.1	50				
47	5×6.1	38			6.3×6.1	50						
100	6.3×6.1	69										