SSV SERIES

85℃ 4.6mm MAX Height, Lead Free Reflow Soldering.

◆FEATURES

- Case Dia φ4～φ6.3mm.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

◆SPECIFICATIONS

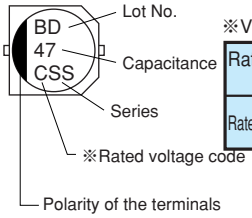
Items	特　　性　　Characteristics
Category Temperature Range	−40～+85℃
Rated Voltage Range	4～50V.DC
Capacitance Tolerance	±20%（20℃，120Hz）
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V): 4 / 6.3 / 10 / 16 / 25 / 35 / 50 tanδ: 0.45 / 0.30 / 0.24 / 0.19 / 0.16 / 0.14 / 0.14 （20℃，120Hz）
Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 85℃, the capacitors shall meet the following requirements. Capacitance Change: Within ±25% of the initial value. Dissipation Factor: Not more than 250% of the specified value. Leakage Current: Not more than the specified value.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V): 4 / 6.3 / 10 / 16 / 25 / 35 / 50 Z(−25℃)/Z(20℃): 7 / 4 / 3 / 2 / 2 / 2 / 2 Z(−40℃)/Z(20℃): 15 / 8 / 8 / 4 / 4 / 3 / 3 （120Hz）

◆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
	100～220μF	0.80	1.00	1.10	1.15	1.20

◆MARKING



※Voltage Code

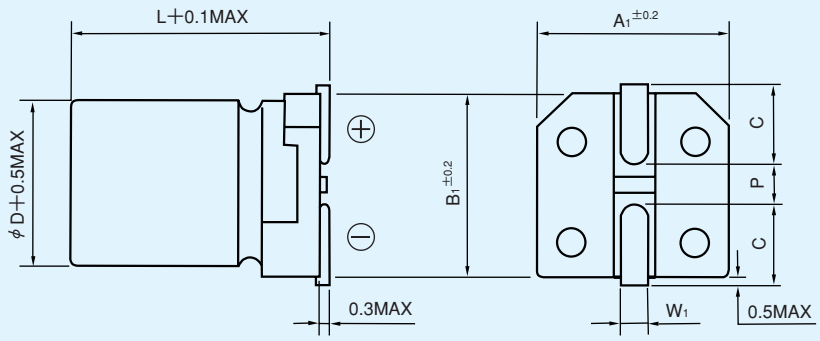
Rated Voltage (V)	4	6.3	10	16	25	35	50
Rated Voltage code	g	j	A	C	E	V	H

◆PART NUMBER

□□□ Rated Voltage / SSV Series / □□□□□ Rated Capacitance / □ Capacitance Tolerance / □□□ Option / D×L Case Size

◆DIMENSIONS

(mm)



φD	L	A1	B1	C	W1	P
4	4.5	4.3	4.3	1.8	0.5～0.8	1.0
5	4.5	5.3	5.3	2.2	0.5～0.8	1.3
6.3	4.5	6.6	6.6	2.7	0.5～0.8	1.8

◆STANDARD SIZE, RATED RIPPLE CURRENT

Size φD×L(mm), Ripple Current (mA r.m.s./85℃, 120Hz)

WV (V.DC) / Cap (μF)	4 (0G)		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	Size	Ripple
0.1													4×4.5	1.0
0.22													4×4.5	2.0
0.33													4×4.5	2.8
0.47													4×4.5	4.0
1													4×4.5	8.4
2.2													4×4.5	14
3.3													4×4.5	17
4.7											4×4.5	18	5×4.5	22
10							4×4.5	25			5×4.5	30	6.3×4.5	35
22			4×4.5	29			5×4.5	39			6.3×4.5	48		
33	4×4.5	28			5×4.5	43			6.3×4.5	54				
47	4×4.5	34	5×4.5	46			6.3×4.5	60						
100	5×4.5	61	6.3×4.5	71										
220	6.3×4.5	96												