

SEV SERIES

85°C, Lead Free Reflow Soldering.

◆FEATURES

- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.



SPECIFICATIONS

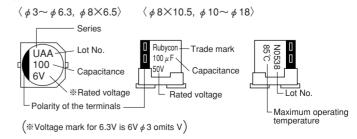
Items	Characteristics											
Category Temperature Range	-40~+85°C											
Rated Voltage Range	4∼100V.DC											
Capacitance Tolerance	±20% (20℃, 120Hz)											
Leakage Current(MAX)	I=0.01CV or 3 μ A whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μ A) C=Rated Capacitance(μ F) V=Rated Voltage(V)											
Dissipation Factor(MAX) (tan δ)	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$											
Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 85°C, the capacitors shall meet the following requirements. Capacitance Change Within ±25% of the initial value. Dissipation Factor Not more than 200% 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 63 100 (120Hz) (120Hz) (120Hz) (120Hz) (120Hz)											

♦MULTIPLIER FOR RIPPLE CURRENT

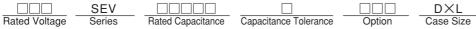
Frequency coefficient

	quency (Hz)	60 (50)	120	500	1k	10k≦
	0.1~1 μF	0.50	1.00	1.20	1.30	1.50
Coefficient	2.2~4.7 μF	0.65	1.00	1.20	1.30	1.50
	10~47 μF	0.80	1.00	1.20	1.30	1.50
	100~1000 μ F	0.80	1.00	1.10	1.15	1.20
	2200~10000 μF	0.80	1.00	1.05	1.10	1.15

◆MARKING

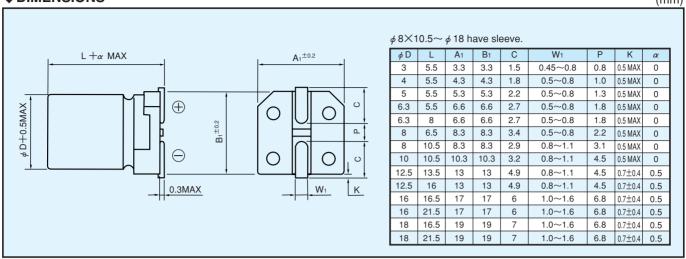


◆PART NUMBER









♦STANDARD SIZE, RATED RIPPLE CURRENT

Size ϕ D×L(mm), Ripple Current (mA r.m.s./85°C, 120Hz)

WV(V.DC)) 4 (0G)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		100 (2A)	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size		Size	Ripple	Size	Ripple
0.1		i ! !											3×5.5 4×5.5	1.0		i ! !		
0.22													3×5.5 4×5.5	2.0				
0.33													3×5.5 4×5.5	. 2.0				
0.47		! !											3×5.5 4×5.5					
1		1											3×5.5 4×5.5					
2.2		 									3×5.5	8.4	3×5.5 4×5.5	10 14		! ! ! !		
3.3											3×5.5	10	4×5.5	17				
4.7		 					3×5.5	12	3×5.5 4×5.5		4×5.5	18	4×5.5 5×5.5	18 22		! ! !	8×10.5	80
10							3×5.5 4×5.5	+	4×5.5	25	5×5.5	30	5×5.5 6.3×5.5				8×10.5	90
22	3×5.5	19	3×5.5 4×5.5	21 29			4×5.5 5×5.5	30 39			6.3×5.5	48	6.3×5.5 8×6.5	48 80	8×10.5	75	8×10.5	130
33	4×5.5	28			4×5.5 5×5.5	32 43	5×5.5	43	6.3×5.5	54	6.3×5.5	58	6.3×8 8×10.5	95 200	8×10.5	160	10×10.5	170
47	4×5.5	34	4×5.5 5×5.5	36 46			5×5.5 6.3×5.5		6.3×5.5	60	6.3×8 8×6.5	÷	8×10.5 10×10.5		8×10.5	170	12.5×13.5	250
100	5×5.5	61	5×5.5 6.3×5.5	61 71	6.3×5.5	71	6.3×5.5 8×6.5		6.3×8 8×6.5		8×10.5 10×10.5	+	8×10.5 10×10.5		10×10.5	240	12.5×16	440
220	6.3×5.5	96	6.3×5.5	96	6.3×8 8×6.5		6.3×8 8×10.5		8×10.5 10×10.5		10×10.5	570	12.5×13.5	580	12.5×16	580	16×21.5	665
330		 	6.3×8 8×6.5	190 210	8×10.5	330	8×10.5 10×10.5		10×10.5	680			12.5×13.5	600	18×16.5	680	18×21.5	825
470	6.3×8	200	8×10.5	380	8×10.5 10×10.5		8×10.5 10×10.5		12.5×13.5	700	12.5×13.5	700	16×16.5	740	16×21.5 18×16.5	850		
1000		 	10×10.5	700	12.5×13.5	710	12.5×13.5	720	12.5×16	820	16×16.5	1000	18×21.5	1150				
2200		 	12.5×16	890	12.5×16				16×21.5 18×16.5		18×21.5	1550				1		
3300		 	16×16.5		16×16.5	1300	16×21.5 18×16.5	1450	18×21.5	1700		1				1		
4700		 	16×16.5	1400	16×21.5 18×16.5	1500	18×21.5	1750								! ! !		
6800		 	16×21.5 18×16.5	1650	18×21.5	1850												
10000		 	18×21.5	2000												 		