

**Surface Mount Aluminum Electrolytic Capacitors  
SEV Series, Specifications**



**Miniature Aluminum electrolytic Capacitors**

Aluminum electrolytic capacitors are small in size, large in capacity and highly resistant to overvoltage and reverse voltage as compared with other capacitors. Capacitors of this type are used in wide applications ranging from computers and navigation systems requiring high performance and high reliability to AV (Audio & Visual) equipment, camera flashes, etc.

**Part Number Determination**

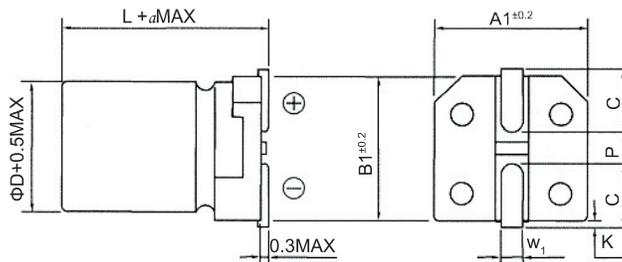
16SEV10M4X5.5				
16	SEV	10	M	4X5.5
Rated Voltage	Series	Rated Capacitance	Tolerance	Case Size (mm)
6.3=6.3V 10=10V 16=16V 25=25V 35=35V 50=50V	SEV=Surface Mount Miniature Aluminum Electrolytic Capacitors	1=1.0uF 2.2=2.2uF 4.7=4.7uF 10=10uF 22=22uF 33=33uF 47=47uF 100=100uF 220=220uF 330=330uF 470=470uF 1000=1000uF	M=±20%	5X11 6.3X11 8X11.5 10X16 10X20 12.5X20 16X25 16X35.5 18X40



**Electrical Characteristics**

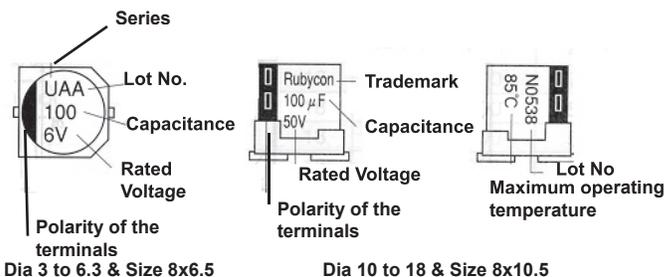
**Capacitance Range:** 1µF to 1000µF  
**Voltage Range:** 6.3V to 50V  
**Capacitance Tolerance:** ±20%(120Hz, +20°C)  
**Operating Temp Range:** -40 to +85°C

**Package Dimensions (mm)**



D	L	A <sub>1</sub>	B <sub>1</sub>	C	W <sub>1</sub>	P	K	a
3	5.5	3.3	3.3	1.5	0.45~0.8	0.8	0.5 MAX	0
4	5.5	4.3	4.3	1.8	0.5~0.8	1.0	0.5 MAX	0
5	5.5	5.3	5.3	2.2	0.5~0.8	1.3	0.5 MAX	0
6.3	5.5	6.6	6.6	2.7	0.5~0.8	1.8	0.5 MAX	0
6.3	8	6.6	6.6	2.7	0.5~0.8	1.8	0.5 MAX	0
8	6.5	8.3	8.3	3.4	0.5~0.8	2.2	0.5 MAX	0
8	10.5	8.3	8.3	2.9	0.8~1.1	3.1	0.5 MAX	0
10	10.5	10.3	10.3	3.2	0.8~1.1	4.5	0.5 MAX	0
12.5	13.5	13	13	4.9	0.8~1.1	4.5	0.7±0.4	0.5
12.5	16	13	13	4.9	0.8~1.1	4.5	0.7±0.4	0.5
16	16.5	17	17	6	1.0~1.6	6.8	0.7±0.4	0.5
16	21.5	17	17	6	1.0~1.6	6.8	0.7±0.4	0.5
18	16.5	19	19	7	1.0~1.6	6.8	0.7±0.4	0.5
18	21.5	19	19	7	1.0~1.6	6.8	0.7±0.4	0.5

**Marking**



Dia 3 to 6.3 & Size 8x6.5

Dia 10 to 18 & Size 8x10.5

- Go to [www.garrettelec.com](http://www.garrettelec.com)
- Enter part number or find by description
- Select "S", select "manufacturer's specifications"



**Surface Mount Aluminum Electrolytic Capacitors**  
**SEV Series, Specifications & Pricing**



**Electrical Characteristics**

Cap (uF)	4 (OG)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		100 (2A)		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
0.1													3x5.5 4x5.5	1.0					
0.22													3x5.5 4x5.5	2.0					
0.33													3x5.5 4x5.5	2.8					
0.47													3x5.5 4x5.5	4.0					
1													3x5.5 4x5.5	8.0 8.4					
2.2											3x5.5	8.4	3x5.5 4x5.5	10 14					
3.3											3x5.5	10	4x5.5	17					
4.7							3x5.5	12	3x5.5 4x5.5	12 18	4x5.5	18	4x5.5 5x5.5	18 22			8x10.5	80	
10							3x5.5 4x5.5	18 25	4x5.5	25	5x5.5	30	5x5.5 6.3x5.5	30 35			8x10.5	90	
22	3x5.5	19	3x5.5 4x5.5	21 29			4x5.5 5x5.5	30 39			6.3x5.5	48	6.3x5.5 8x6.5	48 80	8x10.5	75	8x10.5	130	
33	4x5.5	28			4x5.5 5x5.5	32 43	5x5.5	43	6.3x5.5	54	6.3x5.5	58	6.3x8 8x10.5	95 200	8x10.5	160	10x10.5	170	
47	4x5.5	34	4x5.5 5x5.5	36 46			5x5.5 6.3x5.5	50 60	6.3x5.5	60	6.3x8 8x6.5	105 115	8x10.5 10x10.5	240 280	8x10.5	170	12.5x13.5	250	
100	5x5.5	61	5x5.5 6.3x5.5	61 71	6.3x5.5	71	6.3x5.5 8x6.5	86 135	6.3x8 8x6.5	105 115	8x10.5 10x10.5	240 280	8x10.5 10x10.5	320 500	10x10.5	240	12.5x16	440	
220	6.3x5.5	96	6.3x5.5	96	6.3x8 8x6.5	175 190	6.3x8 8x10.5	165 290	8x10.5	300 560	10x10.5	570	12.5x13.5	580	12.5x16	580	16x21.5 18x16.5	665	
330			6.3x8 8x6.5	190 210	8x10.5	330	8x10.5 10x10.5	330 670	10x10.5	680			12.5x13.5	600	18x16.5	680	18x21.5	825	
470	6.3x8	200	8x10.5	380	8x10.5 10x10.5	380 680	8x10.5 10x10.5	385 690	12.5x13.5	700	12.5x13.5	700	16x16.5	740	16x21.5 18x16.5	850			
1000			10x10.5	700	12.5x13.5	710	12.5x13.5	720	12.5x16	820	16x16.5	1000	18x21.5	1150					
2200			12.5x16	890	12.5x16	960	16x6.5	1150	16x21.5 18x16.5	1350	18x21.5	1550							
3300			16x16.5	1200	16x16.5	1300	16x21.5 18x16.5	1450	18x21.5	1700									
4700			16x16.5	1400	16x21.5 18x16.5	1500	18x21.5	1750											
6800			16x21.5 18x16.5	1650	18x21.5	1850													
10000			18x21.5	2000															

