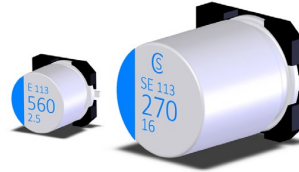


CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS



VSE Series

- Super low ESR at a high frequency ranged
- High ripple current capability
- 5,000 hours at 105°C



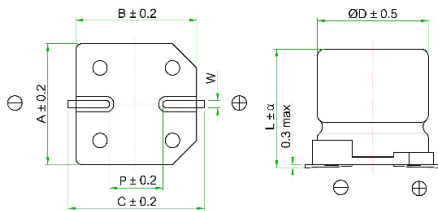
◆ SPECIFICATIONS

Item	Performance Characteristics								
Category Temperature Range	-55 ~ +105°C								
Working Voltage Range	2.5 ~ 35Vdc								
Surge Voltage	Rated Voltage ×1.15								
Capacitance Tolerance	M: ±20% (at 25°C and 120Hz)								
ESR	See the standard ratings table (at 25°C, 100~300KHz)								
Dissipation Factor (Tanδ)	See the standard ratings table (at 25°C, 120Hz)								
Leakage Current ※1	See the standard ratings table (Impress the rated voltage for 2 minutes)								
Low Temperature Characteristics Impedance Ratio	Z(-25°C)/Z(+25°C) ≤1.15 at 100KHz Z(-55°C)/Z(+25°C) ≤1.25 at 100KHz								
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage for 5,000 hours at 105°C. <table border="1"> <tr> <td>Capacitance change</td> <td>≦ ±20% of the initial value</td> </tr> <tr> <td>ESR</td> <td>≦ 150% of the specified value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≦ 150% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≦ specified value</td> </tr> </table>	Capacitance change	≦ ±20% of the initial value	ESR	≦ 150% of the specified value	Dissipation factor(tanδ)	≦ 150% of the specified value	Leakage current	≦ specified value
Capacitance change	≦ ±20% of the initial value								
ESR	≦ 150% of the specified value								
Dissipation factor(tanδ)	≦ 150% of the specified value								
Leakage current	≦ specified value								
Damp Heat (Steady State)	The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 1,000 hours at 60°C 90 to 95% RH. <table border="1"> <tr> <td>Capacitance change</td> <td>≦ ±20% of the initial value</td> </tr> <tr> <td>ESR</td> <td>≦ 150% of the specified value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≦ 150% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≦ specified value</td> </tr> </table>	Capacitance change	≦ ±20% of the initial value	ESR	≦ 150% of the specified value	Dissipation factor(tanδ)	≦ 150% of the specified value	Leakage current	≦ specified value
Capacitance change	≦ ±20% of the initial value								
ESR	≦ 150% of the specified value								
Dissipation factor(tanδ)	≦ 150% of the specified value								
Leakage current	≦ specified value								
Others	Conforms to JIS-C-5101-25 (2009)								

※1 In case of some problems for measured values, measure after applying rated voltage for 120 minutes at 105°C.

※2 ESR should be measured at both of the terminal ends closest to the capacitor body.

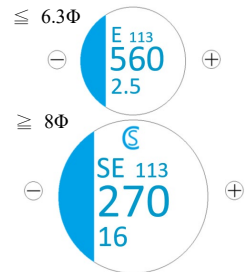
◆ DIMENSIONS (mm)



◆ LEAD

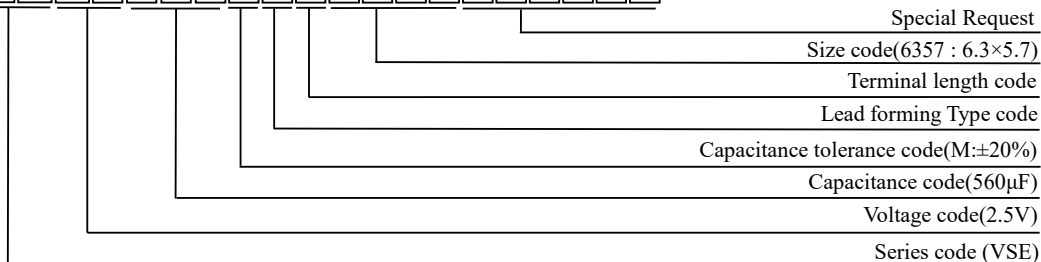
Code	Case size	ΦD	L	α	A	B	C	W	P
6343	6.3×4.3	6.3	4.3	+0.4 -0.3	6.6	6.6	7.3	0.5~0.8	2.1
6357	6.3×5.7	6.3	5.7	0.3	6.6	6.6	7.3	0.5~0.8	2.1
6309	6.3×9	6.3	9	1	6.6	6.6	7.3	0.7~1.1	2.1
0867	8×6.7	8	6.7	0.3	8.3	8.3	9	0.7~1.1	3.2
0897	8×9.7	8	9.7	0.5	8.3	8.3	9	0.7~1.1	3.2
08C7	8×12.7	8	12.7	0.5	8.3	8.3	9	0.7~1.1	3.2
1012	10×12	10	12	0.5	10.3	10.3	11	0.7~1.1	4.6

◆ MARKING



◆ PART NUMBER SYSTEM (Example : 2.5V 560µF)

V	S	E	0	E	5	6	1	M	C	B	6	3	5	7				
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CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS



VSE Series

◆ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case Size (mm) ΦD×L	ESR 100~300KHz (mΩmax)	Rated Ripple current (mArms/ 105°C, 100KHz)	Tanδ max	Leakage Current (μA max)	Part Number
2.5 (0E)	560	6.3×5.7	16	3500	0.10	300	VSE0E561MCB6357
	560	6.3×5.7	10	3500	0.10	500	VSE0E561MCB6357E
4.0 (0G)	560	8×6.7	22	3220	0.10	448	VSE0G561MCB0867
6.3 (0J)	220	6.3×4.3	17	3160	0.10	693	VSE0J221MCB6343
	220	6.3×5.7	15	3160	0.10	300	VSE0J221MCB6357
	220	6.3×5.7	10	3900	0.10	500	VSE0J221MCB6357E
	330	6.3×5.7	15	3160	0.10	416	VSE0J331MCB6357
	390	8×6.7	22	3220	0.10	491	VSE0J391MCB0867
	560	6.3×9	8	4700	0.10	706	VSE0J561MCB6309E
10 (1A)	120	6.3×5.7	22	2600	0.10	300	VSE1A121MCB6357
	270	8×6.7	22	3220	0.10	540	VSE1A271MCB0867
16 (1C)	68	6.3×5.7	40	2450	0.10	544	VSE1C680MCB6343
	100	6.3×5.7	24	2490	0.10	320	VSE1C101MCB6357
	270	6.3×9	9	5800	0.10	864	VSE1C271MCB6309ER
	270	8×9.7	16	4070	0.10	864	VSE1C271MCB0897
	330	6.3×9	20	3100	0.10	1056	VSE1C331MCB6309
	560	8×12.7	16	3800	0.10	1792	VSE1C561MCB08C7
	560	10×12	16	3800	0.10	1792	VSE1C561MCB1012
25 (1E)	47	6.3×5.7	30	2500	0.10	588	VSE1E470MCB6357
	100	8×9.7	24	3300	0.10	500	VSE1E101MCB0897
35 (1V)	120	10×12	32	2400	0.10	840	VSE1V121MCB1012