Features of EneCap™

• **Very Low ESR in High Frequency Area**

- As EneCap™ has lower ESR at high frequencies above 100kHz, it's possible to save more space and to reduce absorption of high-frequency noise.
- Able to flow large ripple current.

• **Rapid Discharge**

- As large current is consumed at high speed, it's possible to meet requirements of CPU and DC/DC Converter.

• **High Heat Resistance and Extremely Low Inflammability**

- EneCap™ excels in high - temperature characteristics and is applicable to lead-free soldering.
- Self-healing will prevent excessive current regardless of occurring over voltage.

• **Long Life Time**

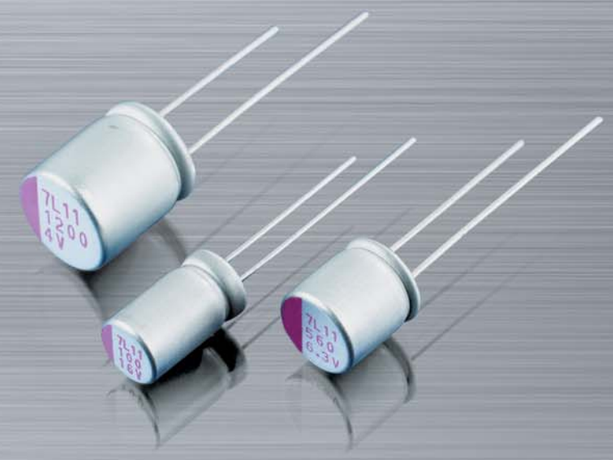
- Guarantee more than 2,000hours at 105℃.

• **No Voltage Derating**

- Maintain its stability with no voltage derating.

EneCap™

Conductive Polymer Aluminum Solid Capacitors



WE ARE CONFIDENT, THROUGH OUR ACCUMULATED EXPERIENCE,
RESEARCH AND DEVELOPMENT ACTIVITIES,
WE CAN MAKE MAJOR CONTRIBUTIONS TO THE APPLIED ENERGY INDUSTRY
AND TO THE QUALITY OF LIFE

Energy Solution of Future

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EneSol

VS series Standard SMD Series

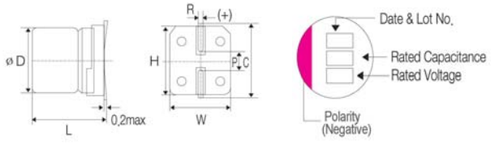
- Super low ESR at a high frequency
- High ripple current
- Suitable for DC-DC Converters, Voltage Regulators, Decoupling Applications etc.
- Lead free-flow is supported
- RoHS compliance

Specifications

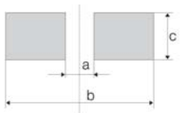
Items	Characteristics	
Temperature Range(℃)	-55℃ ~ +105℃	
Rated Voltage Range	2.5V ~ 16V	
Capacitance Range	27 ㎌ ~ 1500㎌	
Capacitance Tolerance	±20%(M)	
Tangent of Loss Angle	Less than or equal to the value of Table 1	
Leakage Current	Less than or equal to the value of Table 1, After 2Minutes at Rated Voltage.	
ESR	Less than or equal to the value of Table 1	
Characteristics of Impedance Ratio	Z+105℃/Z+20℃≤1.25, Z-55℃/Z+20℃≤1.25 at 100kHz	
Endurance	105℃ 2000 Hours at Rated Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤150% of the initial specified value
	ESR(mΩ)	≤150% of the initial specified value
	Leakage Current	≤An initial specified value
Damp Heat(Steady State)	60℃, 90 to 95%RH, 1000 Hours, No-applied Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤150% of the initial specified value
	ESR(mΩ)	≤150% of the initial specified value
	Leakage Current	≤An initial specified value
Resistance to Soldering Heat	VPS (230℃ ×75s)	
	Capacitance Change	Within ±10% of the initial value
	Tangent of Loss Angle(tanδ)	≤130% of the initial specified value
	ESR(mΩ)	≤130% of the initial specified value
	Leakage Current	≤An initial specified value

※ In case of some problems for measured values, measure after applying rated voltage for 120 minutes at 105℃

Dimensions



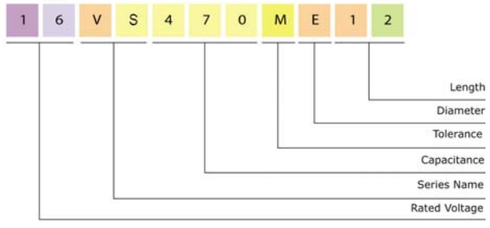
Recommended land pattern dimension of PCB



(Unit : mm)

Size	a	b	c
6.3x5.9	2.1	9.1	1.6
8.0x6.9	2.8	11.1	1.9
8.0x11.9	2.8	11.1	1.9
10x12.6	4.3	13.1	1.9

Part Numbering System : (Example:16V 470㎌)



Size List

(Unit : mm)

Size	øD +0.5	L +0.1/ L-0.4	W +0.2	H +0.2	C +0.2	R	P +0.2
6.3x5.9	6.3	5.9	6.6	6.6	7.3	0.6 to 0.8	2.1
8.0x6.9	8.0	6.9	8.3	8.3	9.0	0.6 to 0.8	3.2
8.0x11.9	8.0	11.9	8.3	8.3	9.0	0.8 to 1.1	3.2
10x12.6	10.0	12.6	10.3	10.3	11.0	0.8 to 1.1	4.6

RV:Rated Voltage (SV):Surge Voltage(room temperature)

㎌ \ RV(SV)	2.5(3.3)	4.0(5.2)	6.3(8.2)	10(11.5)	16(18.4)
6.8					
10					
22					
27					6.3x5.9
33					6.3x5.9
39					6.3x5.9
47				6.3x5.9	6.3x5.9
56				6.3x5.9	8x6.9
68					
82			6.3x5.9		8x6.9
100		6.3x5.9	6.3x5.9		8x6.9
120			6.3x5.9,8x6.9	8x6.9	
150		6.3x5.9,8x6.9	8x6.9	8x6.9	
180					8x11.9
220	6.3x5.9		8x6.9	.	
270					
330		8x6.9		8x11.9	10x12.6
470	8x6.9		8x11.9,10x12.6		10x12.6
560		8x11.9		10x12.6	
680	8x11.9				
820			10x12.6		
1000			10x12.6		
1200		10x12.6			
1500	10x12.6				

Table 1 Standard Ratings

Rated Voltage [V]	Rated Capacitance [㎌]	Case Size øD ×L [mm]	ESR (20℃ 100㎑) [mΩ] [max.]	Rated Ripple current (105℃ 100㎑) [mArms]	Tangent of Loss Angle [max.]	Leakage Current [㎂] [max.]	Part Number
2.5	220	6.3×5.9	23	2390	0.10	110	2VS220MC6
	470	8×6.9	23	3300	0.10	235	2VS470MD7
	680	8×11.9	13	4520	0.10	340	2VS680MD12
	1500	10×12.6	13	5440	0.10	750	2VS1500ME12
4	100	6.3×5.9	45	1810	0.10	80	4VS100MC6
	150	6.3×5.9	40	1810	0.10	120	4VS150MC6
	150	8×6.9	35	2560	0.10	120	4VS150MD7
	330	8×6.9	35	2560	0.10	264	4VS330MD7
	560	8×11.9	13	4520	0.10	448	4VS560MD12
	1200	10×12.6	13	5440	0.10	960	4VS1200ME12
6.3	82	6.3×5.9	45	1700	0.10	103	6VS82MC6
	100	6.3×5.9	40	1810	0.10	126	6VS100MC6
	120	6.3×5.9	40	1810	0.10	151	6VS120MC6
	120	8×6.9	50	2560	0.10	151	6VS120MD7
	150	8×6.9	40	2560	0.10	189	6VS150MD7
	220	8×6.9	35	2560	0.10	277	6VS220MD7
	470	8×11.9	15	4210	0.10	592	6VS470MD12
	470	10×12.6	15	5440	0.10	592	6VS470ME12
	820	10×12.6	12	5440	0.10	1033	6VS820ME12
	1000	10×12.6	12	5440	0.10	1260	6VS1000ME12
10	47	6.3×5.9	50	1620	0.10	94	10VS47MC6
	56	6.3×5.9	45	1700	0.10	112	10VS56MC6
	120	8×6.9	35	2560	0.10	240	10VS120MD7
	150	8×6.9	35	2560	0.10	300	10VS150MD7
	330	8×11.9	17	3950	0.10	660	10VS330MD12
	560	10×12.6	13	5230	0.10	1120	10VS560ME12
16	27	6.3×5.9	50	1620	0.10	86	16VS27MC6
	33	6.3×5.9	50	1620	0.10	106	16VS33MC6
	39	6.3×5.9	50	1620	0.10	125	16VS39MC6
	47	6.3×5.9	50	1620	0.10	150	16VS47MC6
	56	8×6.9	45	1890	0.10	179	16VS56MD7
	82	8×6.9	40	2120	0.10	262	16VS82MD7
	100	8×6.9	40	2120	0.10	320	16VS100MD7
	180	8×11.9	20	3640	0.10	576	16VS180MD12
	330	10×12.6	16	4720	0.10	1056	16VS330ME12
	470	10×12.6	16	4720	0.10	1504	16VS470ME12

VL series Large Capacitance, Low ESR

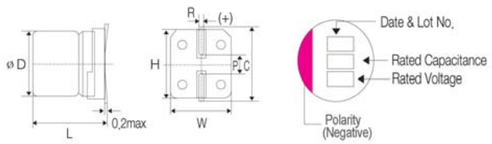
- Super low ESR at a high frequency
- High ripple current
- Suitable for DC-DC Converters, Voltage Regulators, Decoupling Applications etc.
- Lead free-flow is supported
- RoHS compliance

Specifications

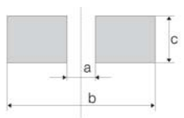
Items	Characteristics	
Temperature Range(℃)	-55℃ ~ +105℃	
Rated Voltage Range	2.5V ~ 16V	
Capacitance Range	68 ㎌ ~ 2700 ㎌	
Capacitance Tolerance	±20%(M)	
Tangent of Loss Angle	Less than or equal to the value of Table 2	
Leakage Current	Less than or equal to the value of Table 2, After 2Minutes at Rated Voltage.	
ESR	Less than or equal to the value of Table 2	
Characteristics of Impedance Ratio	Z+105℃/Z+20℃≤1.25, Z-55℃ /Z+20℃≤1.25 at 100kHz	
Endurance	105℃ 2000 Hours at Rated Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 150% of the initial specified value
	ESR(mΩ)	≤ 150% of the initial specified value
	Leakage Current	≤ An initial specified value
Damp Heat(Steady State)	60℃, 90 to 95%RH, 1000 Hours, No-applied Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 150% of the initial specified value
	ESR(mΩ)	≤ 150% of the initial specified value
	Leakage Current	≤ An initial specified value
Resistance to Soldering Heat	VPS (230℃ ×75s)	
	Capacitance Change	Within ±10% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 130% of the initial specified value
	ESR(mΩ)	≤ 130% of the initial specified value
	Leakage Current	≤ An initial specified value

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

Dimensions



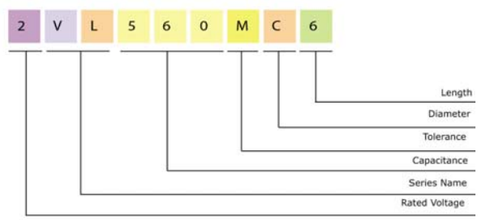
Recommended land pattern dimension of PCB



(Unit : mm)

Size	a	b	c
6.3x5.9	2.1	9.1	1.6
8.0x6.9	2.8	11.1	1.9
8.0x11.9	2.8	11.1	1.9
10x12.6	4.3	13.1	1.9

Part Numbering System : (Example:2.5V 560 ㎌)



Size List

(Unit : mm)

Size	øD ±0.5	L ± 0.1/ L -0.4	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
6.3x5.9	6.3	5.9	6.6	6.6	7.3	0.6 to 0.8	2.1
8.0x6.9	8.0	6.9	8.3	8.3	9.0	0.6 to 0.8	3.2
8.0x11.9	8.0	11.9	8.3	8.3	9.0	0.8 to 1.1	3.2
10x12.9	10.0	12.6	10.3	10.3	11.0	0.8 to 1.1	4.6

RV:Rated Voltage (SV):Surge Voltage(room temperature)

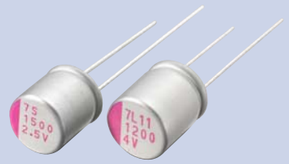
㎌ \ RV(SV)	2.5(3.3)	4.0(5.2)	6.3(8.2)	10(11.5)	16.0(18.4)
68					6.3x5.9
120				6.3x5.9	8x6.9
150					8x6.9
220			6.3x5.9		
270				8x6.9	8x11.9
330		6.3x5.9	6.3x5.9		
390	6.3x5.9		8x6.9		
560	6.3x5.9	8x6.9, 8x11.9			
680	8x6.9				
820	8x11.9		8x11.9		
1200		8x11.9			
1500	8x11.9	8x11.9			
2700	10x12.6				

Table 2 Standard Ratings

Rated Voltage [V]	Rated Capacitance [㎌]	Case Size øD ×L [mm]	ESR (20℃ 100㎑) [mΩ] [max.]	Rated Ripple current (105℃ 100㎑) [mArms]	Tangent of Loss angle [max.]	Leakage Current [㎂] [max.]	Part Number
2.5	390	6.3 ×5.9	15	3160	0.10	300	2VL390MC6
	560	6.3 ×5.9	16	3500	0.10	300	2VL560MC6
	680	8 ×6.9	20	3370	0.10	500	2VL680MD7
	820	8 ×11.9	9	5380	0.10	500	2VL820MD12
	1500	8 ×11.9	10	5150	0.10	750	2VL1500MD12
	2700	10 ×12.6	12	5070	0.10	1350	2VL2700ME12
4	330	6.3 ×5.9	15	3160	0.10	300	4VL330MC6
	560	8 ×6.9	22	3220	0.10	500	4VL560MD7
	560	8 ×11.9	9	5380	0.10	500	4VL560MD12
	1200	8 ×11.9	12	4700	0.10	960	4VL1200MD12
	1500	8 ×11.9	12	4700	0.10	1200	4VL1500MD12
6.3	220	6.3 ×5.9	15	3160	0.10	300	6VL220MC6
	330	6.3 ×5.9	17	3390	0.10	415	6VL330MC6
	390	8 ×6.9	22	3220	0.10	491	6VL390MD7
	820	8 ×11.9	12	4700	0.10	1033	6VL820MD12
10	120	6.3 ×5.9	22	2600	0.10	300	10VL120MC6
	270	8 ×6.9	22	3220	0.10	500	10VL270MD7
16	68	6.3 ×5.9	25	2440	0.10	300	16VL68MC6
	120	8 ×6.9	27	2900	0.10	500	16VL120MD7
	150	8 ×6.9	22	3220	0.10	500	16VL150MD7
	270	8 ×11.9	16	4070	0.10	864	16VL270MD12

RS series Standard Radial Lead Series

- Super low ESR at a high frequency
- High ripple current
- Suitable for DC-DC Converters,Voltage Regulators, Decoupling Applications etc.
- Lead free-flow is supported
- RoHS compliance

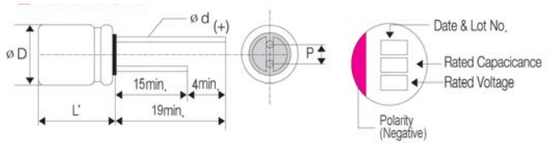


● Specifications

Items	Characteristics	
Temperature Range(℃)	-55℃ ~ +105℃	
Rated Voltage Range	2.5V ~ 20V	
Capacitance Range	39㎌ ~ 1500㎌	
Capacitance Tolerance	±20%(M)	
Tangent of Loss Angle	Less than or equal to the value of Table 3	
Leakage Current	Less than or equal to the value of Table 3, After 2Minutes at Rated Voltage.	
ESR	Less than or equal to the value of Table 3	
Characteristics of Impedance Ratio	Z+105℃/Z+20℃≤1.25, Z-55℃/Z+20℃≤1.25 at 100kHz	
Endurance	105℃, 3000 Hours at Rated Voltage (2.5V : 2000 Hours, 20V applied)	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 150% of the initial specified value
	ESR(mΩ)	≤ 150% of the initial specified value
	Leakage Current	≤ An initial specified value
Damp Heat(Steady State)	60℃, 90 to 95%RH, 1000 Hours, No-applied Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 150% of the initial specified value
	ESR(mΩ)	≤ 150% of the initial specified value
	Leakage Current	≤ An initial specified value
Resistance to Soldering Heat	Flow Method (260 ±5℃ ×10s)	
	Capacitance Change	Within ±10% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 130% of the initial specified value
	ESR(mΩ)	≤ 130% of the initial specified value
	Leakage Current	≤ An initial specified value

※ In case of some problems for measured values, measure after applying rated voltage for 2.5 to 20 V products for 120 minutes at 105℃

● Dimensions

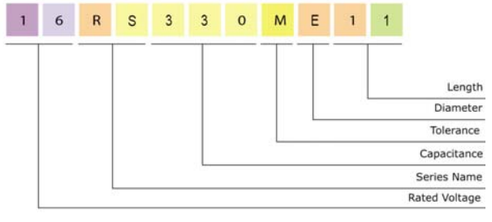


● Size List

(Unit : mm)

Size	øD ±0.5	L	L'	P ±0.5	ød
6.3x6	6.3	6.0	Lmax	2.5	0.45
8.0x7	8.0	7.0		3.5	0.45
8.0x11.5	8.0	11.5	L+1.0max	3.5	0.60
8.0x12.5	8.0	12.5		3.5	0.60
10x11.5	10.0	11.5		5.0	0.60
10x12.5	10.0	12.5		5.0	0.60

● Part Numbering System : (Example:16V 330㎌)



RV:Rated Voltage (SV):Surge Voltage(room temperature)

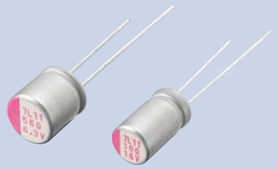
㎌ \ RV(SV)	2.5(3.3)	4.0(5.2)	6.3(8.2)	10(11.5)	16.0(18.4)	20(23.0)
6.8						
10						
22						
33						
39				6.3x6		
47					6.3x6	
56				6.3x6	6.3x6	
68						
82			6.3x6		8x7	
100		6.3x6	6.3v6		8x7	8x12.5
120			6.3x6	8x7		
150		6.3x6	8x7	8x7		10x12.5
180					8x11.5	10x12.5
220	6.3x6	8x7	8x7			
270						
330		8x7		8x11.5	10x11.5	
470	8x7		8x11.5		10x11.5	
560		8x11.5	8x11.5	10x11.5		
680	8x11.5					
820		10x11.5	10x11.5			
1000		10x11.5	10x11.5			
1200		10x11.5				
1500	10x11.5					

● Table 3 Standard Ratings

Rated Voltage [V]	Rated Capacitance [㎌]	Case Size øD ×L [mm]	ESR (20℃ 100㎑) [mΩ] [max.]	Rated Ripple current (105℃ 100㎑) [mArms]	Tangent of Loss angle [max.]	Leakage Current [㎂] [max.]	Part Number
2.5	220	6.3 ×6	23	2390	0.10	275	2RS220MC6
	470	8 × 7	23	3300	0.10	588	2RS470MD7
	680	8 ×11.5	13	4520	0.10	340	2RS680MD11
	1500	10 ×11.5	13	5440	0.10	750	2RS1500ME11
4	100	6.3 × 6	45	1810	0.10	200	4RS100MC6
	150	6.3 × 6	40	1810	0.10	300	4RS150MC6
	220	8 × 7	35	2560	0.10	440	4RS220MD7
	330	8 × 7	35	2560	0.10	660	4RS330MD7
	560	8 ×11.5	13	4520	0.10	448	4RS560MD11
	820	10 ×11.5	12	5230	0.10	656	4RS820ME11
	1000	10 ×11.5	12	5440	0.10	800	4RS1000ME11
	1200	10 ×11.5	13	5440	0.10	960	4RS1200ME11
6.3	82	6.3 × 6	45	1700	0.10	258	6RS82MC6
	100	6.3 × 6	40	1810	0.10	315	6RS100MC6
	120	6.3 × 6	40	1810	0.10	378	6RS120MC6
	150	8 × 7	40	2560	0.10	472	6RS150MD7
	220	8 × 7	35	2560	0.10	693	6RS220MD7
	470	8 ×11.5	15	4210	0.10	592	6RS470MD11
	560	8 ×11.5	15	4210	0.10	706	6RS560MD11
	820	10 ×11.5	12	5440	0.10	1033	6RS820ME11
	1000	10 ×11.5	12	5440	0.10	1260	6RS1000ME11
10	56	6.3 × 6	45	1700	0.10	280	10RS56MC6
	120	8 × 7	35	2560	0.10	600	10RS120MD7
	150	8 × 7	35	2560	0.10	750	10RS150MD7
	330	8 ×11.5	17	3950	0.10	660	10RS330MD11
	560	10 ×11.5	13	5230	0.10	1120	10RS560ME11
16	39	6.3 × 6	50	1620	0.10	312	16RS39MC6
	47	6.3 × 6	50	1620	0.10	376	16RS47MC6
	82	8 × 7	40	2120	0.10	656	16RS82MD7
	100	8 × 7	40	2120	0.10	800	16RS100MD7
	180	8 ×11.5	20	3640	0.10	576	16RS180MD11
	330	10 ×11.5	16	4720	0.10	1056	16RS330ME11
	470	10 ×11.5	16	4720	0.10	1504	16RS470ME11
20	100	8 ×12.5	24	3320	0.10	400	20RS100MD12
	150	10 ×12.5	20	4320	0.10	600	20RS150ME12
	180	10 ×12.5	20	4320	0.10	720	20RS180ME12

RL series Large Capacitance, Low ESR

- Super low ESR at a high frequency
- High ripple current
- Suitable for DC-DC Converters,Voltage Regulators, Decoupling Applications etc.
- Lead free-flow is supported
- RoHS compliance

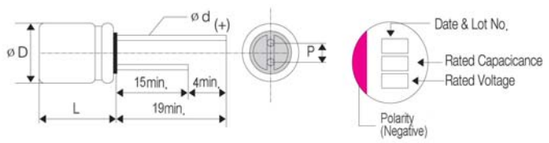


● Specifications

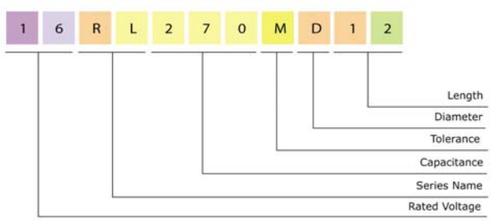
Items	Characteristics	
Temperature Range(℃)	-55℃ ~ +105℃	
Rated Voltage Range	2.5V ~ 16V	
Capacitance Range	100㎌ ~ 2700㎌	
Capacitance Tolerance	±20%(M)	
Tangent of Loss Angle	Less than or equal to the value of Table 4	
Leakage Current	Less than or equal to the value of Table 4, After 2Minutes at Rated Voltage.	
ESR	Less than or equal to the value of Table 4	
Characteristics of Impedance Ratio	Z+105℃/Z+20℃≤1.25, Z-55℃/Z+20℃≤1.25 at 100kHz	
Endurance	105℃ 3000 Hours at Rated Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 150% of the initial specified value
	ESR(mΩ)	≤ 150% of the initial specified value
	Leakage Current	≤ An initial specified value
Damp Heat(Steady State)	60℃, 90 to 95%RH, 1000 Hours, No-applied Voltage	
	Capacitance Change	Within ±20% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 150% of the initial specified value
	ESR(mΩ)	≤ 150% of the initial specified value
	Leakage Current	≤ An initial specified value
Resistance to Soldering Heat	Flow Method (260 ±5℃ ×10s)	
	Capacitance Change	Within ±10% of the initial value
	Tangent of Loss Angle(tanδ)	≤ 130% of the initial specified value
	ESR(mΩ)	≤ 130% of the initial specified value
	Leakage Current	≤ An initial specified value

※ In case of some problems for measured values, measure after applying rated voltage for 120 minutes at 105℃

● Dimensions



● Part Numbering System : (Example:16V 270㎌)



● Size List

(Unit : mm)

Size	ø'D ±0.5	L(max.)	P±0.5	ød
6.3x11.5	6.3	11.5	2.5	0.5
8.0x9	8.0	9.0	3.5	0.6
8.0x12	8.0	12.0	3.5	0.6
8.0x13	8.0	13.0	3.5	0.6
10x13	10.0	13.0	5.0	0.6

RV:Rated Voltage (SV):Surge Voltage(room temperature)

RV(SV) / ㎌	2.5(3.3)	4.0(5.2)	6.3(8.2)	16.0(18.4)
100				6.3x11.5
180				8x12
270				8x12
470			8x9, 8x13	10x13
560	8x9	8x9, 8x13	8x9	
680		8x13	10x13	
820	8x9, 8x13	10x13	8x9, 8x12	
1000	8x9	10x13		
1500	8x9		10x3	
2700	10x13			

● Table 4 Standard Ratings

Rated Voltage [V]	Rated Capacitance [㎌]	Case Size øD ×L [mm]	ESR (20℃ 100㎑) [mΩ] [max.]	Rated Ripple current (105℃ 100㎑) [mArms]	Tangent of Loss angle [max.]	Leakage Current [㎂] [max.]	Part Number
2.5	560	8×9	7	6100	0.10	280	2RL560MD9
	820	8×9	7	6100	0.10	410	2RL820MD9
	820	8×13	7	6100	0.10	410	2RL820MD13
	1000	8×9	7	6100	0.10	500	2RL1000MD9
	1500	8×9	7	6100	0.10	750	2RL1500MD9
	2700	10×13	10	5560	0.10	1350	2RL2700ME13
4	560	8×9	7	6100	0.10	448	4RL560MD9
	560	8×13	7	6100	0.10	448	4RL560MD13
	680	8×13	7	6100	0.10	544	4RL680MD13
	820	10×13	7	6640	0.10	656	4RL820ME13
	1000	10×13	7	6640	0.10	800	4RL1000ME13
6.3	470	8×9	7	5700	0.10	592	6RL470MD9
	470	8×13	7	5700	0.10	592	6RL470MD13
	560	8×9	7	5700	0.10	705	6RL560MD9
	680	10×13	7	6640	0.10	857	6RL680ME13
	820	8×9	7	5700	0.10	1033	6RL820MD9
	820	8×12	7	5700	0.10	1033	6RL820MD12
	1500	10×13	10	5560	0.10	1890	6RL1500ME13
16	100	6.3×11.5	25	2820	0.10	320	16RL100MC11
	180	8×12	16	3640	0.10	576	16RL180MD12
	270	8×12	11	5000	0.10	864	16RL270MD12
	470	10×13	10	6100	0.10	1504	16RL470ME13




About EneSol

EneSol has been specializing in aluminum solid capacitor since its establishment in the year 2004.

EneSol has made remarkable growth and become one of leading manufacturer globally in the field of solid capacitor. As focusing on high tech development, we made many efforts improving unique technology coupled with product credibility and such efforts geared up mass production system with mere 3 years.

As cooperating with affiliated company 'Matsuki Polymer Technology Co.,Ltd.' in Taiwan, we are currently supplying our products in global conglomerate. We ensure that our best technology contributes to best final product performance.
By challenging technological difficulties, we are confident that you can find unique products only through EneSol Technology around the world.

CEO	: Kim Jae Geun
Established	: Apr 1st, 2004
Capital	: ₩1,954,370,000 (About $2,100,000)
Main Item	: Conductive Polymer Aluminum Solid Capacitor (SMD type, Radial type)
Capacity	: 15,000,000pcs/Month (based on Nov. 2007)
Location	: Yongin, Korea

Company History

MAR.	**2001**	Start research and development of aluminum polymer capacitor
JUL.	**2003**	Inaugurate Enesol
DEC.	**2003**	Register the trademark, ENECAP
APR.	**2004**	Convert to corporation (EneSol Co.,Ltd)
MAY.	**2004**	Obtain the certification of ISO [9001:2000] (NCS)
SEP.	**2004**	Obtain the "Venture Corporation" registration (KOVA)
FEB.	**2005**	Obtain product approval from "Samsung Electronics"
APR.	**2005**	Selected as a "Innovative Technology Developer" (SMTECH)
JUL.	**2005**	Obtain the certification of ISO[14001:2004] (KTL)
JUL.	**2006**	$5,000,000 invested from "Matsuki Polymer Technology Co.,Ltd"
OCT.	**2006**	Obtain the certification of ISO/TS[16949] (International Cert)
OCT.	**2006**	Contract $1,500,000 Technology Transfer Agreement with "Matsuki Polymer Technology Co.,Ltd"
DEC.	**2006**	Accomplish government project of Ministry of Commerce, Industry and Energy (Project: Development of low ESR conductive polymer aluminum solid capacitor)
FEB.	**2007**	Transfer to Yongin Factory in Korea
MAR.	**2007**	Accomplish government project of Gyeonggi Province (Project: Development of Satellite DMB high voltage capacitor)
MAR.	**2007**	Selected as "Components and Materials Technology Corporation" (KMAC)
JUN.	**2007**	Selected as joint corporation to implement government project of Gyeonggi Province (Project: "Environment Innovative Program "Aluminum polymer capacitor impregnation process innovation")
JUN.	**2007**	Selected as joint corporation to implement government project of Gyeonggi Province (Project: "Super-low&Super-high capacitance aluminum solid capacitor for digital device")

Certification

- ISO[14001:2004] (International CERT)
- ISO/TS[16949] (SPK)
- Components and Materials Technology Cooperation (KMAC)
- Venture Corporation (KOVA)
- INNO-BIZ (SMBA)
- Obtained total 7 certificate of patents

Awards

- NOV. 2007 'Components and Materials Technology Award' from Ministry Commerce Industry and Energy
- NOV. 2007 'Export Tower of Millions' from Korea International Trade Association

Family Company

- Matsuki Polymer Technology Co.,Ltd
  Located :Taichung, Tao Yuan in Taiwan
- Matsuki Precision Ceramic Co.,Ltd
  Located : Nigata, Japan
  URL : www.matsuki-cera.com
- Feei Cherng Enterprise Co., Ltd
  Located : Taipei, Taiwan
  URL : www.fce.com.tw