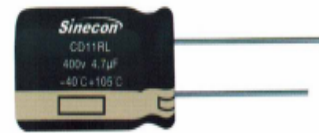


- Specially designed for LED driver . Standard product .
- Load life 5000-6000 hours at 105 °C
- Large Ripple Current ,High Frequency ,Low ESR.
- ROHS Compliant



## ◆ Specifications

Items	Characteristics						
Operation Temperature Range	-40~+105°C						
Rated Voltage Range	160~450Vdc						
Load Life	5000-6000hours						
Capacitance Tolerance	±20% ; -10%+20% (at25°C,120Hz )						
Leakage Current	6.3~100Vdc	160~450VDC			C:Nominal capacitance(μF)		
	I≤0.01CV or 3 μA whichever is greater	I≤0.02CV+10μA			V:Rated voltage(v) (at25°C after 1minutes)		
Dissipation factor (tanδ) ( at 25°C 120HZ)	Rated voltage(Vdc)	160	200	250	350	400	450
	tanδ(Max)	0.15	0.15	0.15	0.20	0.20	0.24
(Impedance Ratio (at 120Hz)	Rated voltage(Vdc) Z(-40 °C)/Z(+25 °C)	160	200	250	350	450	
		5	5	5	6	6	
Load life (+105°)	After an application of D.C bias voltage and rated ripple current,the peak voltage shall not exceed the rated D.C voltage for φ5;φ6.3 3000hours;≥φ8 5000hours at 105 °C,the capacitors shall meet the following requirement.						
	Capacitance change	≤±20% of the initial value					
	D.F.(tanδ)	≤200% of the initial specified value					
	Leakage current	≤The initial specified value					
Shelf life (+105°)	After leaving capacitors under no load at105°Cfor 1000 hours,the following satisfied after 16 hours at normal temperature.						
	Capacitance change	≤±20% of the initial value					
	D.F.(tanδ)	≤200% of the initial specified value					
	Leakage current	≤200% The initial specified value					

## Ratings for CD11RL Series

Surge Voltage	Rated Capacitance	Size	Ripple (100KHZ 105°)	Surge Voltage	Rated Capacitance	Size	Ripple (100KHZ 105°)
160V	1	6.3*11.5	41	250V	4.7	8*9	92
	2.2	6.3*11.5	62			8*11.5	102
	3.3	6.3*11.5	69		5.6	8*12	105
	4.7	6.3*11.5	73			8*16	115
	5.6	6.3*11.5	73		6.8	8*16	136
	6.8	8*9	84			10*16	140
			8*11.5		97	10	8*16
	10	8*11.5	208		10*12		150
			8*16		218		10*16
	15	8*16	223		10*16	260	
			10*12		198	8*20	250
	22	10*12	302		10*16	382	
			10*16		362	10*20	405
	33	10*20	448		33	10*20	420
47	10*20	448	12.5*20	468			
68	12.5*20	602	47	12.5*20	580		
100	12.5*25	720		1	6.3*11.5	58	
200V	1	6.3*11.5	41	400V	2.2	6.3*11.5	74
	2.2	6.3*11.5	70			8*9	74
	3.3	6.3*11.5	80		2.8	8*12	80
	4.7	6.3*11.5	85		3.3	8*12	91
			8*12			120	8*16
	5.6	8*12	110		4.7	8*9	98
			8*16			120	8*12
	6.8	8*16	120		5.6	10*16	140
			8*20			150	8*20
	10	8*16	218		6.8	10*12	145
			10*16			230	10*16
	15	8*16	226		10	10*16	225
			10*16			240	10*20
	22	8*20	380		15	10*20	272
10*16			400	12.5*20		298	
33	10*20	452	22	12.5*20	410		
		12.5*20		478	12.5*25	422	
47	12.5*20	576	450V	1	6.3*11.5	58	
68	12.5*25	670		2.2	6.3*11.5	70	
1	6.3*11.5	46			8*9	75	
		2.2		6.3*11.5	70	2.8	8*12
3.3	6.3*11.5	80	3.3	8*12	85		
				8*16	97		

## Ratings for CD11RL Series

Surge Voltage	Rated Capacitance	Size	Ripple (100KHZ 105°)
450V	4.7	8*12	110
	5.6	10*16	115
	6.8	10*16	148
		10*20	157
	10	10*20	227
	15	10*20	300
		12.5*20	330
	22	12.5*20	400
12.5*25		425	

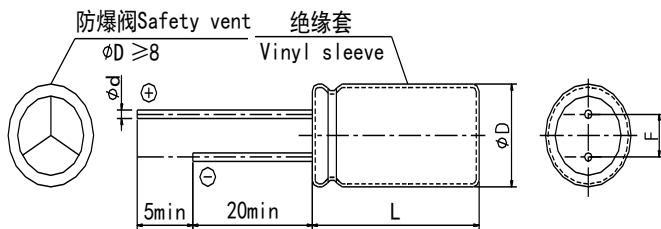
## ◆ Frequency Coefficient

WV(Vdc)	Freq	120	1K	10K	100K
6.3-16		0.50	0.80	0.90	1.00
25~100		0.70	0.90	0.95	1.00
160~450		0.50	0.80	0.90	1.00

## ◆ Temperature Coefficient

Temperature(°C)	70	85	105
Coefficient	1.8	1.4	1

## ◆ Dimensions



D	±0.5						±1.0					
	5	6.3	8			20	10			12.5		
L+2.0-0	11	11	9	11	16	20	9	12.5	16	20	20	25
F±0.5	2	2.5	3.5				5					
d±0.1	0.5		0.6									