

CD11SL



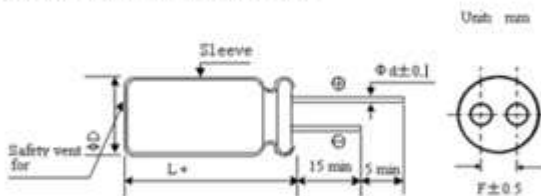
- Specially designed for LED driver . Standard product .
- Load life 10000 hours at 105°C
- Large Ripple Current ,High Frequency ,Low ESR.
- ROHS Compliant



◆ Specifications

Items	Characteristics							
Operation Temperature Range	-40~+105°C							
Rated Voltage Range	160~450Vdc							
Load Life	≤φ8 10000hours; ≥φ10 12000hours							
Capacitance Tolerance	-20~+20% ;+10%+20% (at25°C,120Hz)							
Leakage Current	≤0.02CV+10μA C:Nominal capacitance(μF) 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	0.20	
Impedance Ratio(at 120Hz)	Rated voltage(Vdc) Z(-40°C)/Z(+25°C)	160	200	250	350	400	450	
		4	4	4	5	5	5	
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 10000 hours 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 specification shall be 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						

Diagram of Dimensions



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

◆ Temperature Coefficient

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

◆ Frequency Coefficient

Freq WV(V)	120Hz	1KHz	10KHz	100KHz
	160~450	0.50	0.80	0.90

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Ratings for CD11SL Series

Surge Voltage	Rated Capacitance	Size	Ripple (100KHZ 105°)
160V	1	6.3*11.5	41
	2.2	6.3*11.5	62
	3.3	6.3*11.5	69
	4.7	6.3*11.5	73
	5.6	6.3*11.5	73
	6.8	8*9	84
		8*11.5	97
	10	8*11.5	208
		8*16	218
	15	8*16	223
		10*12	198
	22	10*12	302
		10*16	362
	33	10*20	448
	47	10*20	448
68	12.5*20	602	
100	12.5*25	720	
200V	1	6.3*11.5	41
	2.2	6.3*11.5	70
	3.3	6.3*11.5	80
	4.7	6.3*11.5	85
		8*12	120
	5.6	8*12	110
		8*16	120
	6.8	8*16	120
		8*20	150
	10	8*16	218
		10*16	230
	15	8*16	226
		10*16	240
	22	8*20	380
		10*16	400
33	10*20	452	
	12.5*20	478	
47	12.5*20	576	
68	12.5*25	670	
250V	1	6.3*11.5	46
	2.2	6.3*11.5	70
	3.3	6.3*11.5	80
	4.7	8*9	92
		8*11.5	102
	5.6	8*12	105
		8*16	115
	6.8	8*16	136

Surge Voltage	Rated Capacitance	Size	Ripple (100KHZ 105°)
250	6.8	10*16	140
		8*16	150
	10	10*12	150
		10*16	186
	15	10*16	260
		8*20	250
	22	10*16	382
		10*20	405
	33	10*20	420
		12.5*20	468
	47	12.5*20	580
400V	1	6.3*11.5	58
	2.2	6.3*11.5	74
		8*9	74
	2.8	8*12	80
	3.3	8*12	91
		8*16	96
	4.7	8*9	98
		8*12	105
	5.6	10*16	140
		8*20	140
	6.8	10*12	145
10*16		150	
10	10*16	225	
	10*20	238	
15	10*20	272	
	12.5*20	298	
22	12.5*20	410	
	12.5*25	422	
450V	1	6.3*11.5	58
	2.2	6.3*11.5	70
	2.2	8*9	75
	2.8	8*12	82
	3.3	8*12	85
		8*16	97
	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	