

# CD11GL Series 105°C Long Life (长寿命)

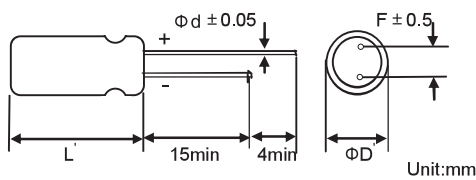
- Long Life at 105°C ( $U_R, I_R$  applied)
- Specially designed for LED lighting power supply.
- RoHS Compliant



## SPECIFICATIONS AND CHARACTERISTICS IN BRIEF

Item	Performance Characteristics		
Standard	IEC 60384-4		
Temperature Range	-40°C to +105°C (Operating)    -55°C to +110°C (Storage)		
Rated Working Voltage Range $U_R$	250V to 450		
Surge Voltage $U_s$	1.10 x $U_R$		
Nominal Capacitance Range	1μF to 22μF		
Capacitance Tolerance	±20%(120HZ, +20°C)		
Leakage Current $I_L$	= 0.02x $C_R$ x $U_R$ (μA) is the smaller. Note, $C_R$ is in μF.	Test Condition: $U_R$ , 5mins., 20°C	
Characteristics at low Temperature	Max. impedance ratio at 120 Hz	$U_R$ Z -25 °C / Z 20 °C	250V    350V~450V 3            6
$\tan \delta$	Working Voltage(V)	250~450	
	$\tan \delta$ (max) (120HZ, +20°C)	8	
Operational life time +105°C, $U_R, I_R$  +105°C, $U_R$	Can Diameter(mm) 6.3, 8            7000 hrs 10                9000hrs 6.3, 8            8000 hrs 10                12000hrs	End of Life Requirement: $\Delta C/C \leq \pm 20\%$ $\tan \delta \leq 2 \times$ initial $\tan \delta$ value $I_L \leq$ initial specified limi	
Shelf Life +105°C	After leaving capacitors under no load at 105°C for 1000 hours, Capacitors shall meet specified value for load life characteristics listed above.		
Others	If the capacitors are stored more than 1 year, the leakage current may increase. Please apply voltage through about 1 kΩ resistor, if necessary.		

## SPECIFICATIONS



$\Phi D$	6.3	8	10
F	2.5	3.8	5.0
$\Phi d$	0.5	0.5	0.6
$\Phi L'$	L+1.5		
$\Phi D'$	$\Phi D+0.5$		

## RIPPLE CURRENT MULTIPLIER

Freq(HZ)	120	1K	10K	100K
Coefficient	1.00	1.55	1.80	2.00

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STANDARD RATINGS							
Voltage (V)	250		400		450		
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	
1			6.3×11	24	6.3×11	26	
1.2			8×11	26	8×11	28	
1.5			8×11	30	8×11	32	
1.8			8×11	33	8×11	35	
2.2	6.3×11	36	8×11	40	8×11	43	
3.3	8×11	42	8×11	47	8×12	52	
4.7	8×11	49	10×12	61	10×12	66	
5.6	8×12	56	10×13	69	10×16	82	
6.8	8×14	62	10×15	85			
8.2	10×13	66					
10	10×15	80	10×16	112			
15	10×16	89					
22	10×20	129					

Maximum Allowable Ripple Current (mA rms) at 105°C 120HZ

Case Size  $\Phi D \times L$ (mm)

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.