

CD11GC Series 105°C High Reliability(高可靠性)

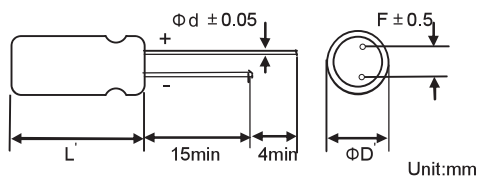
- High reliability
- Long Life,8000~10000hours at 105°C(U_R,I_R applied)
- For electronic ballast, power supply
- RoHS Compliant



SPECIFICATIONS AND CHARACTERISTICS IN BRIEF

Item	Performance Characteristics		
Standard	IEC 60384-4		
Temperature Range	-25°C to +105°C (Operating) -55°C to +110°C (Storage)		
Rated Working Voltage Range U _R	160V to 450V		
Surge Voltage U _s	1.10 x U _R		
Nominal Capacitance Range	2.2μF to 33μF		
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	160V~250V 350V~450V 3 6
tan δ	Working Voltage(V)		160~450
	tan δ(max) (120HZ, +20°C)		8
Operational life time +105°C, U _R , I _R	Can Diameter(mm)		End of Life Requirement: ΔC/C ≤ ±20% tan δ ≤ 2 x initial tan δ value I _L ≤ initial specified limi
+105°C, U _R	8,10	8000 hrs	
	12,13,16,18	10000hrs	
	8,10	15000 hrs	
	12,13,16,18	16000hrs	
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



ΦD	8	10	12	13	16	18	22
F	3.8	5.0	5.0	5.0	7.5	7.5	10.5
Φd	0.5	0.6	0.6	0.6	0.8	0.8	0.8
L'	L+1.5				L+2.0		
ΦD'	ΦD+0.5						ΦD+1.0

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)	160		200		250		350	
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
4.7							10×14	69
5.6							10×14	81
6.8					10×16	98	10×16	112
8.2			10×16	99	10×16	108	10×16	123
10			10×16	109	10×16	128	10×20	142
15			10×16	128	10×20	131	10×20	168
22	10×20	186	10×20	198	10×20	201		
33	10×20	296	10×20	302	12×20	313		

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

Case Size ΦD×L(mm)

Voltage (V)	400		450					
	Case Size	Ripple Current	Case Size	Ripple Current				
2.2	8×12	42	8×16	43				
2.8	8×16	45	8×16	46				
3.3	10×16	77	10×16	79				
4.7	10×16	92	10×20	101				
5.6	10×16	102	10×20	113				
6.8	10×20	129	12×20	134				
8.2	10×20	134	12×20	143				
10	12×20	161	13×20	188				
15	12×20	224	13×25	225				
22	16×25	298	16×25	301				

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

Case Size ΦD×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.