

# CD11GE Series

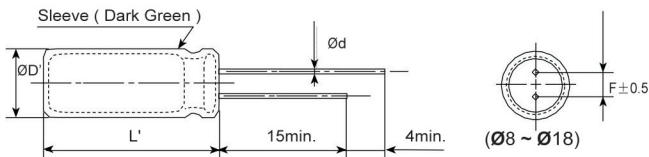
- Life time: +130°C 3,000 hours, 105°C 12,000 hours
- Long life and high stability
- Suitable for electronic ballast, electronic energy saving lamp
- RoHS Compliant



## ◆ SPECIFICATIONS

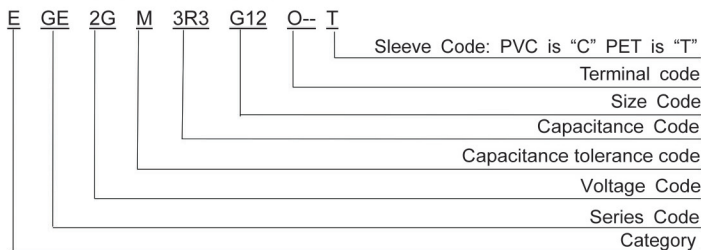
Item	Characteristics							
Temperature Range	-40 ~ +130°C(160 ~ 400V <sub>dc</sub> ) -25 ~ +130°C(450V <sub>dc</sub> )							
Rated Voltage Range	160 ~ 450V <sub>dc</sub>							
Capacitance Tolerance	±20%(M) (20°C, 120Hz)							
Leakage Current	160 ~ 400V <sub>dc</sub>	450 V <sub>dc</sub>		I : Leakage Current(μA), C : Nominal capacitance(μF), V : Rated Voltage (V)				
	I ≤ 0.02CV+10μA	I ≤ 0.03CV+10μA		(20°C, 2minutes)				
Dissipation Factor (tanδ)	Rated Voltage(V <sub>dc</sub> )	160	200	250	350	400	450	
	tanδ (Max.)	0.15	0.15	0.15	0.20	0.20	0.20	
Temperature Characteristics (Max.Impedance Ratio)	Rate Voltage(V <sub>dc</sub> )	160	200	250	350	400	450	
	Z(-25°C)/Z(+20°C)	3	3	3	5	5	6	
	Z(-40°C)/Z(+20°C)	6	6	6	6	6	--	
Endurance	After application of the rated DC voltage at 130°C 3,000hours or application of DC voltage with rated ripple current (the voltage peak is not more than rated voltage) at 105°C 12,000 hours, measuring the parameters when the capacitors are restored to 20°C, the capacitors shall meet the requirements as below							
	Capacitance Change	≤±20% of the initial value						
	D.F.(tanδ)	≤200% of the initial specified value						
	Leakage Current	≤the initial specified value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage application.							
	Capacitance Change	≤±20% of the initial value						
	D.F.(tanδ)	≤200% of the initial specified value						
	Leakage Current	≤200% of the initial specified value						

## ◆ DIMENSIONS [mm]



ØD	8	10	12.5	16	18
Ød	0.5	0.6	0.6	0.8	0.8
F	3.5	5.0	5.0	7.5	7.5
ØD'	ØD+0.5max.				
L'	L+2max.				

## ◆ PART NUMBER SYSTEM



## ◆ RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

WV(V <sub>dc</sub> )	Freq.(Hz)	120	1k	10k	100k
160 ~ 450		0.50	0.80	0.90	1.00