

CD11GE Series

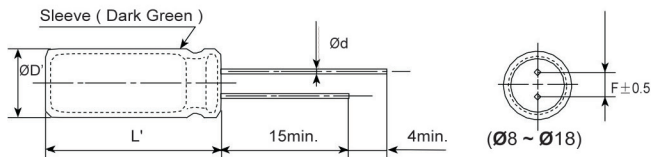
- Life time: +130°C 3,000 hours, 105°C 12,000 hours
- Long life and high stability
- Suitable for electronic ballast, electronic energy saving lamp
- RoHS Compliant



◆ SPECIFICATIONS

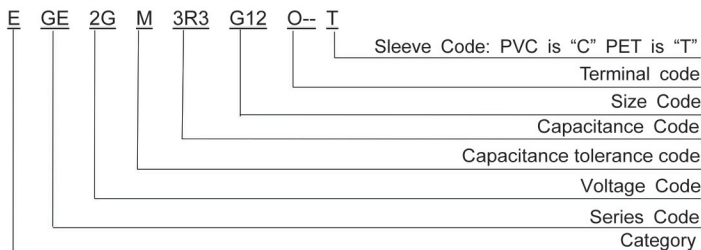
Item	Characteristics						
Temperature Range	-40 ~ +130°C(160 ~ 400V _{dc}) -25 ~ +130°C(450V _{dc})						
Rated Voltage Range	160 ~ 450V _{dc}						
Capacitance Tolerance	±20%(M) (20°C, 120Hz)						
Leakage Current	160 ~ 400V _{dc}	450 V _{dc}		I : Leakage Current(μA), C : Nominal capacitance(μF), V : Rated Voltage (V)			
	I ≤ 0.02CV+10μA	I ≤ 0.03CV+10μA		(20°C, 2minutes)			
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	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 _{dc})	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	0.6	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 _{dc})	Freq.(Hz)			
	120	1k	10k	100k
160 ~ 450	0.50	0.80	0.90	1.00

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