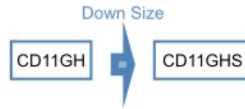


# CD11GHS SERIES

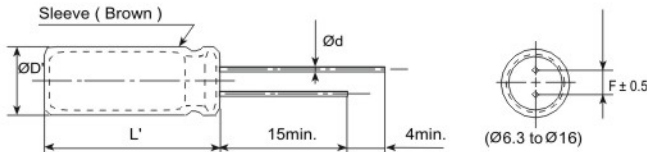
- Downsized, High ripple current
- Especially designed for electronic energy saving lamps
- Long life +105°C5,000 hours
- RoHS Compliant



## ◆ SPECIFICATIONS

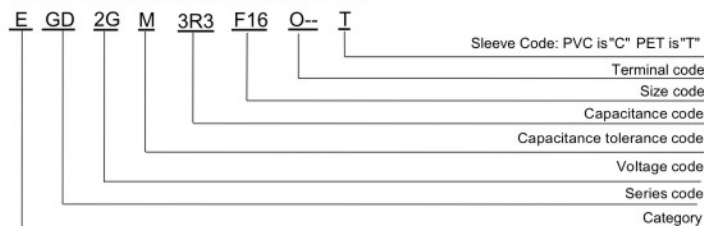
Items	Characteristics			
Category	-40 to +105°C			
Temperature Range	-40 to +105°C			
Rated Voltage Range	250 to 400V <sub>dc</sub>			
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)			
Leakage Current	I ≤ 0.02C V + 10 μA (at 20°C after 2 minutes) Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)			
Dissipation Factor (tan δ)	Rated voltage (V <sub>dc</sub> )	250V	400V	(at 20°C, 120Hz)
	tan δ (Max.)	0.08	0.08	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	250V	400V	(at 120Hz)
	Z(-25°C)/Z(+20°C)	3	5	
	Z(-40°C)/Z(+20°C)	6	6	
Endurance	The following specification shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5,000 hours at 105°C.			
	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 specification shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105 °C without voltage applied.			
	Capacitance change	≤ ±20% of the initial value		
	D.F. (tanδ)	≤ 200% of the initial specified value		
	Leakage current	≤ 200%The initial specified value		

## ◆ DIMENSIONS [mm]



ØD	6.3	8	10	12.5	16
Ød	0.5	0.6	0.6	0.6	0.8
F	2.5	3.5	5.0	5.0	7.5
ØD'	ØD+0.5max.				
L'	L+2max.				

## ◆ PART NUMBERING SYSTEM



※ Sleeve Code and Terminal Code should follow the part number system

## ◆ RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current (Hz)

WV(V <sub>dc</sub> ) \ Freq.(Hz)	120	1K	10K	100K
250 to 400	0.50	0.80	0.90	1.00

The endurance of capacitors is shortened with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

# CD11GHS SERIES

◆ **STANDARD RATINGS**

Rated Voltage		250(2E)									
μ F	Φ D	Φ 6.3		Φ 8		Φ 10		Φ 12.5			
		1.0	6.3x12	46							
1.5	6.3x12	58									
2.2	6.3x12	75									
2.8	6.3x12	78									
3.3			8x12	80							
4.7			8x12	102							
5.6			8x12	105							
6.8			8x12	110							
8.2			8x16	120							
10			8x20	245							
15					10x16	320					
22					10x20	430					
33							12.5x20	535			
47							12.5x25	660			

Rated Voltage		400(2G)									
μ F	Φ D	Φ 6.3		Φ 8		Φ 10		Φ 12.5		Φ 16	
		1.0	6.3x12	62							
1.2			8x12	64							
1.5			8x12	66							
1.8			8x12	75							
2.2			8x16	80							
2.7			8x16	85							
2.8			8x16	85							
3.3			8x16	95							
3.9			8x20	105							
4.0			8x20	105							
4.7			8x20	115							
5.6					10x20	125					
6.3					10x20	150					
6.8					10x20	165					
8.2					10x20	230					
10					10x25	250					
15							12.5x20	300			
22							12.5x30	400			
33									16x25	550	

▲ Case Size (Φ D x L)

▲ Ripple Current(mArms/105°C,100KHz)