

HC (CD26GC)

Features

- Ensure life: +130°C ,5000 hours, 105°C , 20000 hours.
- Extremely long life, high temperature.
- Especially designed for LED lighting, electronic ballast, electronic energy saving lamps.
- RoHS Compliant.

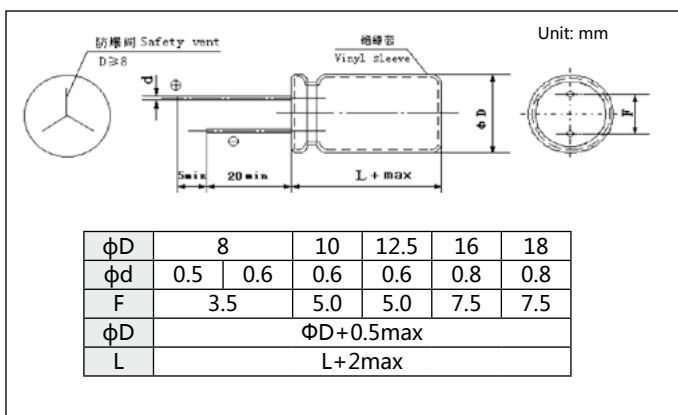


Specifications

Item	Performance Characteristics							
Operating Temperature Range	-40~+130°C (160~400V) -25~+130°C (450V)							
Rated Voltage Range	160~450V							
Nominal Capacitance Range	1~220µF							
Capacitance Tolerance	±20%(+20°C , 120Hz)							
Leakage Current	160~400V	450V					I:Leakage current (µA) , C:Nominal capacitance (µF) V:Rated Voltage (V) (20°C , 2 minutes)	
	$I \leq 0.02CV+10\mu A$	$I \leq 0.03CV+10\mu A$						
Dissipation Factor (tgδ,+20°C ,120Hz)	$U_R(V)$	160	200	250	350	400	450	
	tgδ	0.08	0.08	0.08	0.08	0.08	0.10	
Temperature Characteristics (Impedance ratio at 120Hz)	$U_R(V)$	160	200	250	350	400	450	
	Z-25°C /+20°C	3	3	3	5	5	6	
	Z-40°C /+20°C	6	6	6	6	6	-	
Load Life	After application of the rated DC voltage with rated ripple current at 130°C for the specified period of time or application of DC voltage with rate ripple current (the voltage peak is not more than rated voltage)at 105°C for the specified period of time ,measuring the parameters when the capacitors are restored to 20°C ,the capacitors shall meet the requirements as below: Capacitance change : ±30% of the initial measured value Dissipation factor: ≤ 300% 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 measured value Dissipation factor: ≤ 200% of the initial specified value Leakage current : ≤ 200% of the initial specified value							

LED & Energy Save

Diagram of Dimensions



Multiplier for Ripple Current

Frequency coefficient

Frequency(Hz)	120	1K	10K	100K
Coefficient	160-450	0.50	0.80	0.90

Standard Size

Rated Voltage (V _{dc})	Capacitance (μF)	Size ΦD×L (mm)	tanδ	Rated ripple current (mArms) 105°C /100KHz	Rated Voltage (V _{dc})	Capacitance (μF)	Size ΦD×L (mm)	tanδ	Rated ripple current (mArms) 105°C /100KHz
160V (2C)	3.3	8x12	0.08	70	350V (2V)	1	8x12	0.08	49
	4.7	8x12	0.08	77		1.5	8x16	0.08	73
	5.6	8x16	0.08	82		1.8	8x16	0.08	73
	6.8	8x16	0.08	88		2.2	10x16	0.08	90
	8.2	10x16	0.08	183		2.8	10x16	0.08	95
	10	10x16	0.08	223		3.3	10x16	0.08	100
	15	10x16	0.08	335		4.7	10x20	0.08	120
	22	10x20	0.08	400		5.6	10x20	0.08	142
	33	12.5x20	0.08	480			12.5x20	0.08	150
	47	12.5x25	0.08	590		6.8	10x20	0.08	190
	68	16x25	0.08	750			12.5x20	0.08	200
	82	16x25	0.08	825		8.2	12.5x20	0.08	205
	100	16x25	0.08	960		10	12.5x20	0.08	214
			0.08	960			12.5x25	0.08	225
	150	18x30	0.08	1050		15	12.5x25	0.08	305
220	18x35	0.08	1500	16x20	0.08		305		
200V (2D)	2.8	8x12	0.08	64	22	16x25	0.08	450	
	3.3	8x12	0.08	73	33	16x30	0.08	518	
	4.7	8x16	0.08	126		16x35	0.08	545	
		10x12	0.08	126	47	18x30	0.08	598	
	5.6	8x16	0.08	148		18x35	0.08	630	
	6.8	8x16	0.08	180	68	18x40	0.08	900	
		10x16	0.08	200		400V (2G)	1	8x12	0.08
	8.2	10x16	0.08	218	1.5		8x16	0.08	60
	10	10x16	0.08	230			8x16	0.08	71
		10x20	0.08	245	1.8		8x16	0.08	75
	15	10x20	0.08	345	2.2		10x16	0.08	92
	22	12.5x20	0.08	505	2.8		10x16	0.08	100
	33	12.5x20	0.08	555	3.3		10x16	0.08	105
	47	12.5x25	0.08	690			10x20	0.08	120
		16x20	0.08	690	4.7		10x20	0.08	142
68	16x25	0.08	750	12.5x20			0.08	150	
	82	16x30	0.08	900	5.6		12.5x20	0.08	165
100		18x25	0.08	900	6.8		12.5x20	0.08	225
	16x30	0.08	1100	8.2	12.5x20		0.08	230	
250V (2E)	2.2	8x12	0.08	64	10		12.5x25	0.08	280
	2.8	8x12	0.08	72	15		12.5x25	0.08	294
	3.3	8x12	0.08	80		16x20	0.08	310	
	4.7	8x16	0.08	133	22	16x25	0.08	380	
	5.6	10x16	0.08	150		16x30	0.08	400	
	6.8	10x16	0.08	169	33	18x30	0.08	635	
	8.2	10x16	0.08	203	47	18x35	0.08	750	
	10	10x16	0.08	238	68	18x40	0.08	830	
		10x20	0.08	250	100	18x50	0.08	1030	
	15	10x20	0.08	327	450V (2W)	1.5	8x16	0.1	70
	22	12.5x20	0.08	480		1.8	8x16	0.1	74
		12.5x25	0.08	540		2.2	10x16	0.1	77
	33	16x20	0.08	540		2.8	10x16	0.1	80
			0.08	540		3.3	10x16	0.1	88
	47	16x25	0.08	600			10x20	0.1	92
18x20		0.08	600	4.7		10x20	0.1	104	
68	16x30	0.08	750	5.6		12.5x20	0.1	144	
	18x25	0.08	750	6.8		12.5x20	0.1	175	
82	18x25	0.08	825	8.2		12.5x20	0.1	183	
100	18x30	0.08	970	10		12.5x20	0.1	225	
		0.08	970	15		12.5x25	0.1	294	
				22		16x25	0.1	395	
						16x30	0.1	420	
				33		18x30	0.1	500	
				47	18x35	0.1	615		
				68	18x40	0.1	710		
				100	18x50	0.1	840		