

CD11GC series

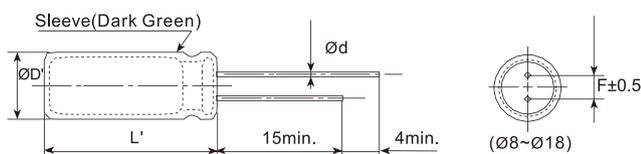


- Endurance: +130°C 4,000~5,000 hours +105°C 15,000~20,000 hours
- Withstand high temperature, extremely long life
- Suitable for output circuit and input circuit of LED driving power, electronic ballast and electronic energy saving lamp.
- RoHS Compliant

SPECIFICATIONS

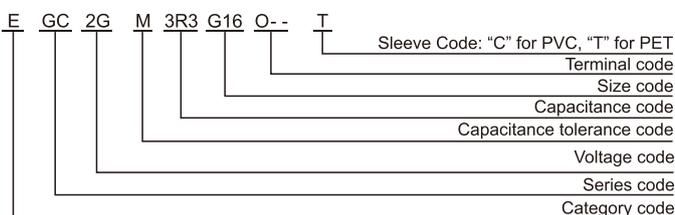
Items	Characteristics								
Category Temperature Range	-40~+130°C (160~450 V _{dc})								
Rated Voltage Range	160~450 V _{dc}								
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)								
Leakage Current	160~400 V _{dc}	450 V _{dc}		Where, I: Max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V)				(at 20°C after 2 minutes)	
	I 0.02CV+10μA	I 0.03CV+10μA							
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	160	200	250	350	400	450	(at 20°C, 120Hz)	
	tanδ (max.)	0.15	0.15	0.15	0.20	0.20	0.20		
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(V _{dc})	160	200	250	350	400	450	(at 120Hz)	
	Z(-25°C)/Z(+20°C)	3	3	3	5	5	6		
	Z(-40°C)/Z(+20°C)	6	6	6	6	6	9		
Endurance	The specifications listed below shall be met when the capacitors are restored to 20°C after DC voltage plus rated ripple current is applied for a specified period of time at 130°C or 105°C, the peak voltage shall not exceed the rated voltage.								
	Capacitance Change	≤±30% of the initial value					Height	130°C	105°C
	D.F. (tanδ)	≤300% of the initial specified value					zmmz	Load life (hours)	Load life (hours)
	Leakage Current	≤The initial specified value					L 10	4,000	15,000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after leaving them under no load at 105°C for 1,000 hours.								
	Capacitance Change	≤±20% of the initial value					L >10	5,000	20,000
	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 NUMBERING SYSTEM



RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

	Freq.(Hz)	120	1k	10k	100k
Rated voltage(V _{dc})	160~450	0.50	0.80	0.90	1.00

Radial Type

CD11GC series

■ STANDARD RATINGS (Rated ripple current:mArms/130°C 100kHz)

WV (Vdc)	Cap (μF)	Size D×L (mm)	Rated ripple current	Part Number
160(2C)	3.3	8×12	70	EGC2CM3R3F12OT
	4.7	8×12	77	EGC2CM4R7F12OT
		8×16	82	EGC2CM5R6F16OT
	5.6	10×9	80	EGC2CM5R6G09OT
		8×16	88	EGC2CM6R8F16OT
	8.2	10×9	145	EGC2CM8R2G09OT
		10×16	183	EGC2CM8R2G16OT
	10	10×9	190	EGC2CM100G09OT
		10×16	223	EGC2CM100G16OT
	15	10×16	300	EGC2CM150G16OT
	22	10×20	400	EGC2CM220G20OT
	33	12.5×20	480	EGC2CM330W20OT
	47	12.5×25	590	EGC2CM470W25OT
	68	16×25	750	EGC2CM680L25OT
	82	16×25	825	EGC2CM820L25OT
		16×25	960	EGC2CM101L25OT
	100	18×20	960	EGC2CM101M20OT
18×30		1050	EGC2CM151M30OT	
220	18×35	1500	EGC2CM221M35OT	
200(2D)	2.8	8×12	64	EGC2DM2R8F12OT
	3.3	8×12	73	EGC2DM3R3F12OT
		8×16	126	EGC2DM4R7F16OT
	4.7	10×9	100	EGC2DM4R7G09OT
		10×12	126	EGC2DM4R7G12OT
	5.6	8×16	148	EGC2DM5R6F16OT
		10×9	120	EGC2DM5R6G09OT
	6.8	8×16	160	EGC2DM6R8F16OT
		10×9	145	EGC2DM6R8G09OT
	8.2	10×16	200	EGC2DM6R8G16OT
		10×9	165	EGC2DM8R2G09OT
	10	10×16	203	EGC2DM8R2G16OT
		10×9	215	EGC2DM100G09OT
	10	10×16	230	EGC2DM100G16OT
		10×20	245	EGC2DM100G20OT
	15	10×20	327	EGC2DM150G20OT
	22	12.5×20	430	EGC2DM220W20OT
		12.5×20	500	EGC2DM330W20OT
	47	12.5×25	650	EGC2DM470W25OT
		16×20	650	EGC2DM470L20OT
	68	16×25	750	EGC2DM680L25OT
		16×30	900	EGC2DM820L30OT
	82	18×25	900	EGC2DM820M25OT
16×30		1100	EGC2DM101L30OT	
100	18×25	1100	EGC2DM101M25OT	
	18×35	1350	EGC2DM151M35OT	
250(2E)	2.2	8×12	64	EGC2EM2R2F12OT
	2.8	8×12	72	EGC2EM2R8F12OT
	3.3	8×12	80	EGC2EM3R3F12OT
	4.7	8×16	133	EGC2EM4R7F16OT
		10×9	120	EGC2EM5R6G09OT
	5.6	10×16	150	EGC2EM5R6G16OT
		10×16	169	EGC2EM6R8G16OT
	8.2	10×9	165	EGC2EM8R2G09OT
		10×16	203	EGC2EM8R2G16OT
	10	10×16	238	EGC2EM100G16OT
		10×20	250	EGC2EM100G20OT
	15	10×20	327	EGC2EM150G20OT
	22	12.5×20	430	EGC2EM220W20OT
		12.5×25	530	EGC2EM330W25OT
	33	16×20	530	EGC2EM330L20OT
		16×25	690	EGC2EM470L25OT
	47	18×20	690	EGC2EM470M20OT
		16×30	780	EGC2EM680L30OT
	68	18×25	780	EGC2EM680M25OT
		18×25	900	EGC2EM820M25OT
	100	18×30	970	EGC2EM101M30OT

WV (Vdc)	Cap (μF)	Size D×L (mm)	Rated ripple current	Part Number
350(2V)	1	8×12	49	EGC2VM010F12OT
	1.5	8×16	73	EGC2VM1R5F16OT
		8×16	75	EGC2VM1R8F16OT
	1.8	10×9	65	EGC2VM1R8G09OT
		10×9	75	EGC2VM2R2G09OT
	2.2	10×16	90	EGC2VM2R2G16OT
		10×16	95	EGC2VM2R8G16OT
	3.3	10×16	100	EGC2VM3R3G16OT
	4.7	10×20	142	EGC2VM4R7G20OT
	5.6	10×20	152	EGC2VM5R6G20OT
		12.5×20	165	EGC2VM5R6W20OT
	6.8	10×20	190	EGC2VM6R8G20OT
		12.5×20	200	EGC2VM6R8W20OT
	8.2	12.5×20	205	EGC2VM8R2W20OT
		12.5×20	250	EGC2VM100W20OT
	10	12.5×25	270	EGC2VM100W25OT
		12.5×25	335	EGC2VM150W25OT
15	16×20	335	EGC2VM150L20OT	
	16×25	450	EGC2VM220L25OT	
33	16×30	535	EGC2VM330L30OT	
	16×35	555	EGC2VM330L35OT	
47	18×30	700	EGC2VM470M30OT	
	18×35	750	EGC2VM470M35OT	
68	18×40	900	EGC2VM680M40OT	
400(2G)	1	8×12	54	EGC2GM010F12OT
	1.5	8×16	60	EGC2GM010F16OT
		8×16	73	EGC2GM1R5F16OT
	1.8	8×16	75	EGC2GM1R8F16OT
		10×9	65	EGC2GM1R8G09OT
	2.2	10×9	76	EGC2GM2R2G09OT
		10×16	92	EGC2GM2R2G16OT
	2.8	10×16	100	EGC2GM2R8G16OT
		10×16	105	EGC2GM3R3G16OT
	3.3	10×20	120	EGC2GM3R3G20OT
		10×20	142	EGC2GM4R7G20OT
	4.7	12.5×20	150	EGC2GM4R7W20OT
		12.5×20	165	EGC2GM5R6W20OT
	6.8	12.5×20	225	EGC2GM6R8W20OT
		12.5×20	230	EGC2GM8R2W20OT
	10	12.5×25	280	EGC2GM100W25OT
		12.5×25	335	EGC2GM150W25OT
15	16×20	335	EGC2GM150L20OT	
	16×25	480	EGC2GM220L25OT	
22	16×30	500	EGC2GM220L30OT	
	18×30	635	EGC2GM330M30OT	
47	18×35	750	EGC2GM470M35OT	
68	18×40	900	EGC2GM680M40OT	
100	18×50	1030	EGC2GM101M50OT	
450(2W)	1.5	8×16	70	EGC2WM1R5F16OT
	1.8	8×16	74	EGC2WM1R8F16OT
		10×16	77	EGC2WM2R2G16OT
	2.8	10×16	80	EGC2WM2R8G16OT
		10×16	88	EGC2WM3R3G16OT
	3.3	10×20	92	EGC2WM3R3G20OT
		10×20	104	EGC2WM4R7G20OT
	5.6	12.5×20	144	EGC2WM5R6W20OT
		12.5×20	175	EGC2WM6R8W20OT
	8.2	12.5×20	183	EGC2WM8R2W20OT
		12.5×20	225	EGC2WM100W20OT
	15	12.5×25	294	EGC2WM150W25OT
		16×25	395	EGC2WM220L25OT
	22	16×30	420	EGC2WM220L30OT
		18×30	500	EGC2WM330M30OT
	47	18×35	615	EGC2WM470M35OT
	68	18×40	710	EGC2WM680M40OT
18×50		840	EGC2WM101M50OT	