

CD11GHS series

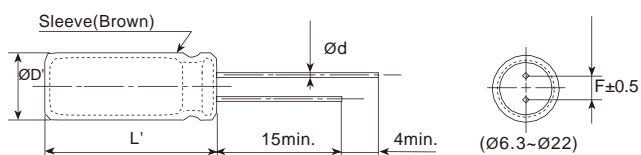
- Upgrade for CD11GH Series, longer life, better performance, cost-effective
- Endurance: +105°C 6,000 hours
- Suitable for electronic ballast and electronic energy saving lamp.
- RoHS Compliant



SPECIFICATIONS

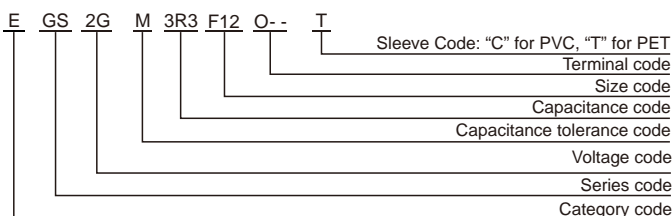
Items	Characteristics										
Category Temperature Range	-40~+105°C										
Rated Voltage Range	140~500 V _{dc}										
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)										
Leakage Current	140~400 V _{dc}	450~500 V _{dc}		Where, I: Max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)							
	I 0.02CV+10μA	I 0.03CV+10μA									
Dissipation Factor (tan δ)	Rated Voltage(V _{dc})	140	160	200	250	315	350	400	450	500	(at 20°C, 120Hz)
	tan (max.)	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.24	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(V _{dc})	140	160	200	250	315	350	400	450	500	(at 120Hz)
	Z(+25°C)/Z(+20°C)	3	3	3	3	5	5	5	6	6	
	Z(-40°C)/Z(+20°C)	6	6	6	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 6,000 hours at 105°C, the peak voltage shall not exceed the rated voltage.										
	Capacitance Change	±20% of the initial value									
	D.F. (tan δ)	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 leaving them under no load at 105°C for 1,000 hours.										
	Capacitance Change	±20% of the initial value									
	D.F. (tan δ)	200% of the initial specified value									
	Leakage Current	200% of the initial specified value									

DIMENSIONS[mm]



ØD	6.3	8	10	12.5	13	16	18	22
Ød	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8
F	2.5	3.5	5.0	5.0	5.0	7.5	7.5	10
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})		0.50	0.80	0.90	1.00
140~500					

Radial Type

CD11GHS series

■ STANDARD RATINGS (Rated ripple current: mA rms/105°C 100kHz)

WV (Vdc)	Cap (μF)	Size D×L(mm)	Rated ripple current	Part Number
140(2A)	10	6.3×12	100	EGS2AM100E12OT
	15	6.3×12	125	EGS2AM150E12OT
	22	8×12	250	EGS2AM220F12OT
	33	10×12	365	EGS2AM330G12OT
	47	8×20	430	EGS2AM470F20OT
	68	10×20	520	EGS2AM680G20OT
	100	12.5×16	650	EGS2AM101W16OT
	150	12.5×25	750	EGS2AM151W25OT
160(2C)	1	6.3×7	34	EGS2CM010E07OT
		6.3×9	36	EGS2CM010E09OT
	1.5	6.3×7	38	EGS2CM1R5E07OT
		6.3×9	45	EGS2CM1R5E09OT
	1.8	6.3×7	49	EGS2CM1R8E07OT
		6.3×9	50	EGS2CM1R8E09OT
	2.2	6.3×7	53	EGS2CM2R2E07OT
		6.3×9	56	EGS2CM2R2E09OT
	2.8	6.3×7	58	EGS2CM2R8E07OT
		6.3×9	62	EGS2CM2R8E09OT
	3.3	6.3×7	62	EGS2CM3R3E07OT
		6.3×9	67	EGS2CM3R3E09OT
	4.7	6.3×7	68	EGS2CM4R7E07OT
		6.3×9	72	EGS2CM4R7E09OT
	5.6	6.3×9	75	EGS2CM5R6E09OT
		6.3×12	79	EGS2CM5R6E12OT
	6.8	6.3×9	84	EGS2CM6R8E09OT
		6.3×12	89	EGS2CM6R8E12OT
	8.2	6.3×12	120	EGS2CM8R2E12OT
		8×9	135	EGS2CM8R2F09OT
	10	8×9	165	EGS2CM100F09OT
		8×12	206	EGS2CM100F12OT
	15	8×9	215	EGS2CM150F09OT
		8×12	230	EGS2CM150F12OT
	22	8×12	306	EGS2CM220F12OT
		8×16	340	EGS2CM220F16OT
	33	10×12	400	EGS2CM330G12OT
		10×16	425	EGS2CM330G16OT
	47	10×16	460	EGS2CM470G16OT
		10×20	500	EGS2CM470G20OT
	68	10×20	560	EGS2CM680G20OT
		12.5×16	570	EGS2CM680W16OT
	82	12.5×20	665	EGS2CM820W20OT
12.5×20		720	EGS2CM101W20OT	
100	12.5×25	740	EGS2CM101W25OT	
	12.5×25	780	EGS2CM151W25OT	
150	16×20	780	EGS2CM151L20OT	
	16×25	980	EGS2CM221L25OT	
330	18×30	1145	EGS2CM331M30OT	
200(2D)	1	6.3×7	35	EGS2DM010E07OT
		6.3×9	38	EGS2DM010E09OT
	1.5	6.3×7	49	EGS2DM1R5E07OT
		6.3×9	50	EGS2DM1R5E09OT
	1.8	6.3×7	50	EGS2DM1R8E07OT
		6.3×9	54	EGS2DM1R8E09OT
	2.2	6.3×7	55	EGS2DM2R2E07OT
		6.3×9	60	EGS2DM2R2E09OT
	2.8	6.3×7	61	EGS2DM2R8E07OT
		6.3×9	68	EGS2DM2R8E09OT
	3.3	6.3×7	68	EGS2DM3R3E07OT
		6.3×9	74	EGS2DM3R3E09OT
	4.7	6.3×9	82	EGS2DM4R7E09OT
		6.3×12	90	EGS2DM4R7E12OT
	5.6	6.3×12	95	EGS2DM5R6E12OT
		8×9	95	EGS2DM5R6F09OT

WV (Vdc)	Cap (μF)	Size D×L(mm)	Rated ripple current	Part Number
200(2D)	6.8	8×9	105	EGS2DM6R8F09OT
		8×12	120	EGS2DM6R8F12OT
	8.2	8×9	150	EGS2DM8R2F09OT
		8×12	160	EGS2DM8R2F12OT
	10	8×9	170	EGS2DM100F09OT
		8×12	185	EGS2DM100F12OT
	15	8×12	225	EGS2DM150F12OT
		8×16	250	EGS2DM150F16OT
	22	8×16	360	EGS2DM220F16OT
		10×16	400	EGS2DM220G16OT
	33	10×16	425	EGS2DM330G16OT
		10×20	450	EGS2DM330G20OT
	47	10×20	550	EGS2DM470G20OT
		12.5×16	550	EGS2DM470W16OT
	68	12.5×20	635	EGS2DM680W20OT
12.5×25		700	EGS2DM680W25OT	
82	12.5×20	705	EGS2DM820W20OT	
	12.5×25	735	EGS2DM101W25OT	
100	16×20	735	EGS2DM101L20OT	
	16×25	855	EGS2DM151L25OT	
150	16×30	920	EGS2DM151L30OT	
	1	6.3×7	36	EGS2EM010E07OT
1.5		6.3×9	40	EGS2EM010E09OT
	1.8	6.3×7	51	EGS2EM1R5E07OT
2.2		6.3×9	54	EGS2EM1R5E09OT
	2.8	6.3×7	55	EGS2EM1R8E07OT
3.3		6.3×9	59	EGS2EM1R8E09OT
	4.7	6.3×7	64	EGS2EM2R2E07OT
5.6		6.3×9	71	EGS2EM2R2E09OT
	6.8	6.3×7	71	EGS2EM2R8E07OT
8.2		6.3×9	75	EGS2EM2R8E09OT
	10	6.3×9	78	EGS2EM3R3E09OT
15		6.3×12	83	EGS2EM3R3E12OT
	22	6.3×12	91	EGS2EM4R7E12OT
33		8×9	97	EGS2EM4R7F09OT
	47	8×12	102	EGS2EM4R7F12OT
5.6		8×9	95	EGS2EM5R6F09OT
	6.8	8×12	105	EGS2EM5R6F12OT
8.2		8×9	105	EGS2EM6R8F09OT
	10	8×12	109	EGS2EM6R8F12OT
15		8×9	120	EGS2EM8R2F09OT
	22	8×12	132	EGS2EM8R2F12OT
33		8×12	170	EGS2EM100F12OT
	47	8×16	210	EGS2EM100F16OT
68		8×16	295	EGS2EM150F16OT
	82	10×12	295	EGS2EM150G12OT
100		8×16	360	EGS2EM220F16OT
	150	10×16	400	EGS2EM220G16OT
22		10×20	480	EGS2EM330G20OT
	33	12.5×16	480	EGS2EM330W16OT
47		12.5×16	560	EGS2EM470W16OT
	68	12.5×20	627	EGS2EM470W20OT
82		12.5×25	675	EGS2EM680W25OT
	100	16×20	675	EGS2EM680L20OT
150		16×20	730	EGS2EM820L20OT
	22	16×25	760	EGS2EM820L25OT
33		16×20	780	EGS2EM101L20OT
	47	16×25	820	EGS2EM101L25OT
68		16×30	930	EGS2EM151L30OT
	82	18×25	930	EGS2EM151M25OT

CD11GHS series

■ STANDARD RATINGS(Rated ripple current: mA rms/105°C 100kHz)

WV (Vdc)	Cap (μF)	Size D×L(mm)	Rated ripple current	Part Number
315(2F)	2.2	6.3×9	71	EGS2FM2R2E09OT
	3.3	6.3×9	78	EGS2FM3R3E09OT
	4.7	6.3×12	95	EGS2FM4R7E12OT
	5.6	8×9	100	EGS2FM5R6F09OT
	6.8	8×9	110	EGS2FM6R8F09OT
	8.2	8×12	130	EGS2FM8R2F12OT
	10	10×12	215	EGS2FM100G12OT
	15	10×16	325	EGS2FM150G16OT
	22	10×20	420	EGS2FM220G20OT
	33	12.5×20	540	EGS2FM330W20OT
47	12.5×20	630	EGS2FM470W20OT	
350(2V)	1	6.3×7	52	EGS2VM010E07OT
		6.3×9	58	EGS2VM010E09OT
	1.5	6.3×7	62	EGS2VM1R5E07OT
		6.3×9	68	EGS2VM1R5E09OT
	1.8	6.3×9	74	EGS2VM1R8E09OT
		6.3×12	80	EGS2VM1R8E12OT
	2.2	6.3×9	85	EGS2VM2R2E09OT
		6.3×12	90	EGS2VM2R2E12OT
	2.8	8×9	101	EGS2VM2R8F09OT
		8×12	106	EGS2VM2R8F12OT
	3.3	8×9	106	EGS2VM3R3F09OT
		8×12	110	EGS2VM3R3F12OT
	4.7	8×9	112	EGS2VM4R7F09OT
		8×12	120	EGS2VM4R7F12OT
	5.6	8×12	130	EGS2VM5R6F12OT
		8×16	150	EGS2VM5R6F16OT
	6.8	8×12	160	EGS2VM6R8F12OT
		8×16	170	EGS2VM6R8F16OT
	8.2	8×16	190	EGS2VM8R2F16OT
		8×20	230	EGS2VM100F20OT
	10	10×12	210	EGS2VM100G12OT
		10×16	280	EGS2VM150G16OT
	15	10×20	310	EGS2VM150G20OT
		10×20	385	EGS2VM220G20OT
	22	12.5×16	400	EGS2VM220W16OT
		12.5×20	515	EGS2VM330W20OT
	33	12.5×25	535	EGS2VM330W25OT
		16×20	650	EGS2VM470L20OT
	68	16×25	760	EGS2VM680L25OT
		18×20	760	EGS2VM680M20OT
82	16×30	910	EGS2VM820L30OT	
	18×25	910	EGS2VM820M25OT	
100	16×30	960	EGS2VM101L30OT	
	18×25	960	EGS2VM101M25OT	
400(2G)	1	6.3×7	63	EGS2GM010E07OT
		6.3×9	70	EGS2GM010E09OT
	1.5	6.3×9	72	EGS2GM1R5E09OT
		6.3×12	78	EGS2GM1R5E12OT
	1.8	6.3×9	80	EGS2GM1R8E09OT
		6.3×12	85	EGS2GM1R8E12OT
	2.2	6.3×9	85	EGS2GM2R2E09OT
		6.3×12	90	EGS2GM2R2E12OT
	2.8	8×12	105	EGS2GM2R2F12OT
		8×9	105	EGS2GM2R8F09OT
	3.3	8×12	110	EGS2GM2R8F12OT
		8×9	110	EGS2GM3R3F09OT
	4.7	8×12	120	EGS2GM3R3F12OT
		8×9	125	EGS2GM4R7F09OT
	5.6	8×12	140	EGS2GM4R7F12OT
		8×12	150	EGS2GM5R6F12OT
	6.8	10×12	160	EGS2GM5R6G12OT
		8×12	165	EGS2GM6R8F12OT
	10×12	180	EGS2GM6R8G12OT	

WV (Vdc)	Cap (μF)	Size D×L(mm)	Rated ripple current	Part Number	
400(2G)	8.2	10×12	200	EGS2GM8R2G12OT	
		10×16	220	EGS2GM8R2G16OT	
		10×12	230	EGS2GM100G12OT	
	10	10×16	252	EGS2GM100G16OT	
		12	10×16	262	EGS2GM120G16OT
		15	10×20	300	EGS2GM150G20OT
	22	12.5×16	370	EGS2GM220W16OT	
		12.5×20	400	EGS2GM220W20OT	
		12.5×25	520	EGS2GM330W25OT	
	33	13×20	465	EGS2GM330L20OT	
		16×20	520	EGS2GM330L20OT	
		16×20	580	EGS2GM470L20OT	
	56	16×25	650	EGS2GM560L25OT	
		16×30	760	EGS2GM680L30OT	
		18×25	760	EGS2GM680M25OT	
82	18×25	810	EGS2GM820M25OT		
	18×30	920	EGS2GM101M30OT		
	18×40	1280	EGS2GM151M40OT		
450(2W)	1	6.3×9	60	EGS2WM010E09OT	
		6.3×12	65	EGS2WM010E12OT	
	1.5	8×9	70	EGS2WM1R5F09OT	
		8×12	75	EGS2WM1R5F12OT	
	1.8	8×9	81	EGS2WM1R8F09OT	
		8×12	90	EGS2WM1R8F12OT	
	2.2	8×9	93	EGS2WM2R2F09OT	
		8×12	103	EGS2WM2R2F12OT	
	2.8	8×9	105	EGS2WM2R8F09OT	
		8×12	115	EGS2WM2R8F12OT	
	3.3	8×12	116	EGS2WM3R3F12OT	
		8×16	128	EGS2WM3R3F16OT	
	4.7	8×12	130	EGS2WM4R7F12OT	
		8×16	140	EGS2WM4R7F16OT	
	5.6	10×12	150	EGS2WM5R6G12OT	
10×16		162	EGS2WM5R6G16OT		
6.8	10×12	170	EGS2WM6R8G12OT		
	10×16	180	EGS2WM6R8G16OT		
8.2	10×16	210	EGS2WM8R2G16OT		
	10×20	230	EGS2WM8R2G20OT		
10	10×16	235	EGS2WM100G16OT		
	10×20	250	EGS2WM100G20OT		
15	12.5×16	320	EGS2WM150W16OT		
	12.5×20	350	EGS2WM150W20OT		
22	12.5×20	425	EGS2WM220W20OT		
	12.5×25	450	EGS2WM220W25OT		
33	16×20	510	EGS2WM330L20OT		
	16×25	640	EGS2WM470L25OT		
68	18×25	760	EGS2WM680M25OT		
	18×30	860	EGS2WM820M30OT		
100	18×35	920	EGS2WM101M35OT		
	18×45	1100	EGS2WM151M45OT		
500(2H)	10	12.5×20	259	EGS2HM100W20OT	
		12.5×25	272	EGS2HM100W25OT	
		12.5×25	356	EGS2HM150W25OT	
	15	16×20	356	EGS2HM150L20OT	
		12.5×35	453	EGS2HM220W35OT	
		16×25	453	EGS2HM220L25OT	
	22	18×25	567	EGS2HM330M25OT	
		18×30	713	EGS2HM470M30OT	
	56	18×30	770	EGS2HM560M30OT	
		18×35	900	EGS2HM680M35OT	
	68	22×35	1000	EGS2HM680O35OT	
		22×35	1150	EGS2HM820O35OT	
	100	22×35	1400	EGS2HM101O35OT	

Radial Type