

CD11GZ series

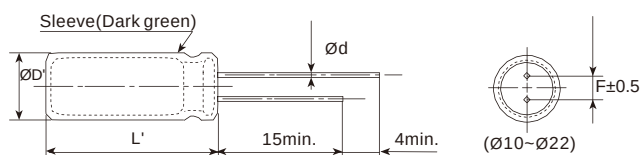
- Endurance: +105°C 12,000 hours
- Suitable for outdoor lighting; long life
- RoHS Compliant


 New


SPECIFICATIONS

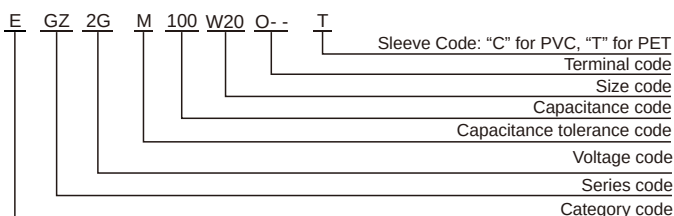
Items	Characteristics						
Category Temperature Range	-40~+105°C (250~ 500 V _{dc})						
Rated Voltage Range	250~500 V _{dc}						
Capacitance Tolerance	±20%(M) (at 20°C,120Hz)						
Leakage Current	250~400 V _{dc}	450~500 V _{dc}		Where, I: Max. leakage current (μA),C:Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)			
	I≤0.02CV+10μA	I≤0.03CV+10μA					
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	250	350	400	450	500	(at 20°C,120Hz)
	tanδ (max.)	0.15	0.20	0.20	0.20	0.24	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(V _{dc})	250	350	400	450	500	(at 120Hz)
	Z(-25°C)/Z(+20°C)	3	3	3	3	3	
	Z(-40°C)/Z(+20°C)	4	4	4	4	4	
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 12,000 hours at 105°C (WV: 500V for 10,000 hours), the peak voltage shall not exceed the rated voltage.						
	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 leaving them under no load at 105°C for 1,000 hours.						
	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	10	12.5	16	18	22
Ød	0.6	0.6	0.8	0.8	0.8
F	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

Cap.(μF) \ Freq.(Hz)	120	1k	10k	100k
Cap.<33	0.40	0.70	0.90	1.00
Cap.≥33	0.50	0.80	0.90	1.00

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

WV (Vdc)	Cap (μF)	Size φD×L(mm)	Rated ripple current	Part Number
250(2E)	10	10×16	320	EGZ2EM100G16OT
	15	10×20	420	EGZ2EM150G20OT
	22	12.5×16	550	EGZ2EM220W16OT
	33	12.5×20	800	EGZ2EM330W20OT
	47	12.5×25	980	EGZ2EM470W25OT
	68	16×25	1368	EGZ2EM680L25OT
	82	16×25	1500	EGZ2EM820L25OT
	100	16×30	1610	EGZ2EM101L30OT
	150	18×35	2000	EGZ2EM151M35OT
350(2V)	10	10×20	350	EGZ2VM100G20OT
	15	12.5×20	450	EGZ2VM150W20OT
	22	12.5×20	650	EGZ2VM220W20OT
	33	16×20	900	EGZ2VM330L20OT
	47	16×25	1080	EGZ2VM470L25OT
	68	18×25	1470	EGZ2VM680M25OT
	82	18×30	1530	EGZ2VM820M30OT
	100	18×35	1700	EGZ2VM101M35OT
	150	18×45	1860	EGZ2VM151M45OT
400(2G)	10	12.5×20	350	EGZ2GM100W20OT
	15	12.5×25	550	EGZ2GM150W25OT
	22	16×20	760	EGZ2GM220L20OT
	33	16×30	1125	EGZ2GM330L30OT
	47	18×30	1180	EGZ2GM470M30OT
	68	18×30	1547	EGZ2GM680M30OT
	82	18×35	1620	EGZ2GM820M35OT
	100	18×40	1718	EGZ2GM101M40OT
	120	22×35	1820	EGZ2GM121O35OT
	150	22×40	1880	EGZ2GM151O40OT

WV (Vdc)	Cap (μF)	Size φD×L(mm)	Rated ripple current	Part Number
450(2W)	10	12.5×20	330	EGZ2WM100W20OT
	15	12.5×25	450	EGZ2WM150W25OT
	22	16×20	730	EGZ2WM220L20OT
	33	16×30	980	EGZ2WM330L30OT
	47	18×30	1200	EGZ2WM470M30OT
	68	18×35	1500	EGZ2WM680M35OT
	82	18×35	1560	EGZ2WM820M35OT
	100	18×45	1666	EGZ2WM101M45OT
	120	22×40	1780	EGZ2WM121O40OT
	150	22×46	1820	EGZ2WM151O46OT
500(2H)	10	12.5×20	320	EGZ2HM100W20OT
	15	12.5×25	440	EGZ2HM150W25OT
	22	16×25	560	EGZ2HM220L25OT
	33	18×25	700	EGZ2HM330M25OT
	47	18×30	880	EGZ2HM470M30OT
	68	22×35	1350	EGZ2HM680O35OT
	82	22×35	1420	EGZ2HM820O35OT
	100	22×35	1460	EGZ2HM101O35OT
	120	22×40	1560	EGZ2HM121O40OT
	150	22×46	1630	EGZ2HM151O46OT