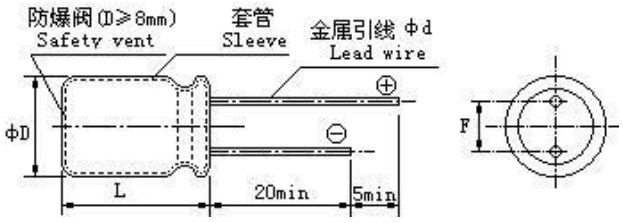
EG

- Resistant to High Temperatures of 130°C
- Endurance 2000-4000 hours at 130℃
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40-+130℃
Voltage Range	10-100V.DC
Capacitance Tolerance	±20%(120Hz,20℃)
Leakage Current	I≤0.01CV(μA) or 3μA, whichever is greater (2 minutes)
Dissipation Factor （120hz、20℃）	WV: 10 / 16 / 25 / 35 / 50 / 63 / 100 tgδ: 0.19 / 0.16 / 0.14 / 0.12 / 0.10 / 0.09 / 0.08 When nominal capacitance is over 1000 μF, tanδ shall be added 0.02 to the list value with increase of every 1000 μF.
Stability at Low Temperature （120Hz）	WV: 10 / 16 / 25 / 35 / 50 / 63 / 100 $Z_{-25℃}/Z_{+20℃}$: 3 / 2 / 2 / 2 / 2 / 2 / 2 $Z_{-40℃}/Z_{+20℃}$: 6 / 4 / 3 / 3 / 3 / 3 / 3
Endurance	In an environment of +105°C, apply the operating voltage with ripple current for 2000-4000 hours, and after 16 hours of recovery, the product performance meets the following requirements: Capacitance Change: Within ±30%of initial measured Dissipation Factor: ≤300% of initial specified value Leakage Current: ≤initial specified value Diameter: Φ8～φ10 — Product Life: 2000H Diameter: ≥Φ13 — Product Life: 4000H
Shelf Life	In an environment of +130°C, apply the operating voltage with ripple current for 1000 hours, and after 16 hours of recovery, the product performance meets the following requirements: Capacitance Change: Within ±30%of initial measured value Dissipation Factor: ≤300% of initial specified value Leakage Current: ≤200% of initial specified value

DRAWING & DIMENSIONS (Unit: mm)



ΦD	5	6.3	8	10	13	16	18
F±0.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd±0.05	0.5	0.5	0.5	0.6	0.6	0.8	0.8
L	（L＜20）±1.5				（L≥20）±2.0		
D	（D＜20）±0.5				（D≥20）±1.0		

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency(Hz) / Capacitance(μF) / Coefficient	120	1K	10K	100K
Capacitance＜10	0.42	0.60	0.80	1.00
10≤Capacitance≤33	0.55	0.75	0.90	1.00
47≤Capacitance≤330	0.70	0.85	0.95	1.00
470≤Capacitance≤1500	0.75	0.90	0.98	1.00
Capacitance≥2200	0.80	0.95	1.00	1.00

EG

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	10V (1A)				16V (1C)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
330	8X12	0.220	360	EG1A331M0812DHG00000	8X12	0.220	360	EG1C331M0812DHG00000
470	10X13	0.150	620	EG1A471M1013EHG00000	10X13	0.150	620	EG1C471M1013EHG00000
1000	10X20	0.073	960	EG1A102M1020EHG00000	10X20	0.073	960	EG1C102M1020EHG00000
2200	13X25	0.040	1430	EG1A222M1325EHG00000	13X25	0.040	1430	EG1C222M1325EHG00000
3300	16X25	0.038	1900	EG1A332M1625FHG00000	16X30	0.034	2300	EG1C332M1630FHG00000
4700	16X30	0.034	2300	EG1A472M1630FHG00000	16X35	0.031	2550	EG1C472M1635FHG00000

	25V (1E)				35V (1V)			
	Dimensions (mm)	ESR (Ω)	Ripple Current(mA)	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
100					8X12	0.220	360	EG1V101M0812DHG00000
220	8X12	0.220	360	EG1E221M0812DHG00000	10X13	0.150	620	EG1V221M1013EHG00000
330	10X13	0.150	620	EG1E331M1013EHG00000	10X16	0.100	800	EG1V331M1016EHG00000
470	10X16	0.100	800	EG1E471M1016EHG00000	10X20	0.073	960	EG1V471M1020EHG00000
1000	13X20	0.055	1100	EG1E102M1320EHG00000	13X25	0.040	1430	EG1V102M1325EHG00000
2200	16X30	0.034	2300	EG1E222M1630FHG00000	16X35	0.031	2550	EG1V222M1635FHG00000
3300	16X35	0.031	2550	EG1E332M1635FHG00000	18X35	0.028	2800	EG1V332M1835FHG00000

Rated ripple current：(130℃,100KHz)；ESR：(20℃,100KHz)