

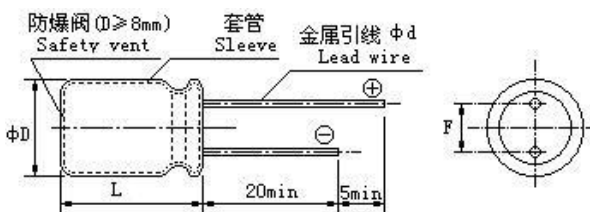
EB

- Extra Low Impedance
- Endurance 20004000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-25+105°C							
Voltage Range	6.3-35V.DC							
Capacitance Tolerance	±20%(120Hz,20°C)							
Leakage Current	I≤0.01CV(μA) or 3μA, whichever is greater (2 minutes)							
Dissipation Factor (120hz、20°C)	WV	6.3	10	16	25	35	50	
	tgδ	0.22	0.19	0.16	0.14	0.12	0.10	
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	6.3	10	16	25	35	50	
	Z _{-25°C} /Z _{+20°C}	5	4	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:							
	Working	6.3-10V		16-35V		Diameter	Product Life	
	Capacitance	Within ±30%of initial		Within ±25%of initial		φ5~φ6.3	2000H	
	Dissipation	≤200% of initial specified value					φ8~φ10	3000H
	Leakage	≤initial specified value					≥φ13	4000H
Shelf Life	In an environment of +105°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 ±25%of initial measured						
	Dissipation Factor	≤200% 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

Capacitance(μF)	Frequency(Hz)			
	120	1K	10K	100K
Capacitance<220	0.40	0.75	0.90	1.00
220≤Capacitance≤560	0.50	0.85	0.94	1.00
680≤Capacitance≤1500	0.60	0.87	0.95	1.00
2200≤Capacitance≤3900	0.75	0.90	0.95	1.00
Capacitance≥4700	0.85	0.95	0.98	1.00

EB

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	6.3V (0J)				10V (1A)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
330					6.3X12	0.11	500	EB1A331M6L12CHH00000
470	6.3X12	0.110	500	EB0J471M6L12CHH00000	8X12	0.062	900	EB1A471M0812DHH00000
680	8X12	0.062	900	EB0J681M0812DHH00000	8X12	0.062	900	EB1A681M0812DHH00000
1000	8X16	0.048	1210	EB0J102M0816DHH00000	8X16	0.048	1210	EB1A102M0816DHH00000
1500	8X20	0.033	1410	EB0J152M0820DHH00000	8X20	0.033	1410	EB1A152M0820DHH00000
2200	10X20	0.032	1960	EB0J222M1020EHH00000	10X25	0.018	2250	EB1A222M1025EHH00000
3300	13X20	0.017	2480	EB0J332M1320EHH00000	13X20	0.017	2480	EB1A332M1320EHH00000
4700	13X25	0.015	2900	EB0J472M1325EHH00000	13X30	0.013	3450	EB1A472M1330EHH00000
6800	13X35	0.012	3570	EB0J682M1335EHH00000	16X25	0.013	3630	EB1A682M1625FHH00000

	16V (1C)				25V (1E)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
100	6.3X12	0.130	405	EB1C101M6L12CHH00000	6.3X12	0.110	500	EB1E101M6L12CHH00000
220	6.3X12	0.110	500	EB1C221M6L12CHH00000	8X12	0.062	900	EB1E221M0812DHH00000
330	8X12	0.062	900	EB1C331M0812DHH00000	8X12	0.062	900	EB1E331M0812DHH00000
470	8X12	0.062	900	EB1C471M0812DHH00000	10X13	0.045	1240	EB1E471M1013EHH00000
680	8X16	0.048	1210	EB1C681M0816DHH00000	10X16	0.032	1650	EB1E681M1016EHH00000
1000	8X20	0.033	1410	EB1C102M0820DHH00000	10X25	0.018	2250	EB1E102M1025EHH00000
1500	10X20	0.020	1960	EB1C152M1020EHH00000	13X20	0.017	2480	EB1E152M1320EHH00000
2200	13X20	0.017	2480	EB1C222M1320EHH00000	13X30	0.013	3450	EB1E222M1330EHH00000
3300	13X30	0.013	3450	EB1C332M1330EHH00000	16X25	0.013	3630	EB1E332M1625FHH00000
4700	16X25	0.013	3630	EB1C472M1625FHH00000				

	35V (1V)				50V (1H)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
100	6.3X12	0.110	500	EB1V101M6L12CHH00000	8X12	0.074	724	EB1H101M0812DHH00000
150	8X12	0.062	900	EB1V151M0812DHH00000	10X13	0.061	979	EB1H151M1013EHH00000
220	8X12	0.062	900	EB1V221M0812DHH00000	10X16	0.042	1370	EB1H221M1016EHH00000
330	10X13	0.045	1240	EB1V331M1013EHH00000	10X25	0.028	1870	EB1H331M1025EHH00000
470	10X16	0.032	1650	EB1V471M1016EHH00000	13X20	0.027	2050	EB1H471M1320EHH00000
680	10X20	0.020	1960	EB1V681M1020EHH00000	13X30	0.021	2860	EB1H681M1330EHH00000
1000	13X20	0.018	2480	EB1V102M1320EHH00000	16X25	0.021	3010	EB1H102M1625FHH00000
1500	13X25	0.017	2900	EB1V152M1325EHH00000	18X25	0.019	3290	EB1H152M1825FHH00000
2200	16X25	0.013	3630	EB1V222M1625FHH00000				

Rated ripple current: (105°C, 100KH); ESR: (20°C, 100KHz)