

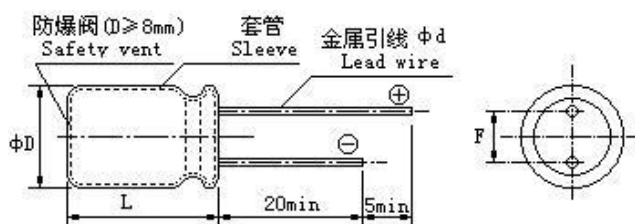
EJ

- Low Impedance, Extra Long Life
- Endurance 5000-12000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40+105°C									
Voltage Range	10-100V.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	10	16	25	35	50	63	80	100	
	tgδ	0.19	0.16	0.14	0.12	0.10	0.09	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	80	100	
	Z _{-25°C} /Z _{+20°C}	3	2	2	2	2	2	2	2	
	Z _{-40°C} /Z _{+20°C}	6	4	3	3	3	3	3	3	
Endurance	In an environment of +105°C, apply the operating voltage with ripple current for 8000-12000 hours, and after 16 hours of recovery, the product performance meets the following requirements:									
	Working Voltage	10V			16-100V			Diameter	Product Life	
	Capacitance	Within ±30%of			Within ±25%of initial			φ5~φ6.3	8000H	
	Dissipation Factor	≤ 200% of initial specified value						φ8~φ10	10000H	
	Leakage Current	≤initial specified value						≥φ13	12000H	
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	Within ±25%of initial								
	Dissipation	≤200% of initial								
	Leakage	≤200% of initial								

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<47	0.42	0.70	0.90	1.00
47≤Capacitance<330	0.50	0.73	0.92	1.00
330≤Capacitance<820	0.55	0.77	0.94	1.00
820≤Capacitance<2200	0.60	0.80	0.96	1.00
Capacitance≥2200	0.70	0.85	0.98	1.00

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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
100					5X11	0.40	450	EJ1C101M0511BDH00000
150	5X11	0.40	450	EJ1A151M0511BDH00000				
220	6.3X12	0.17	700	EJ1A221M6L12CDH00000	6.3X12	0.17	700	EJ1C221M6L12CDH00000
330	6.3X12	0.17	700	EJ1A331M6L12CDH00000				
470	8X12	0.075	1200	EJ1A471M0812DDH00000	8X12	0.075	1200	EJ1C471M0812DDH00000
680	8X16	0.059	1600	EJ1A681M0816DDH00000	10X13	0.053	1700	EJ1C681M1013EDH00000
1000	8X20	0.041	1960	EJ1A102M0820DDH00000	10X16	0.038	2000	EJ1C102M1016EDH00000
1200	10X16	0.038	2000	EJ1A122M1016EDH00000	10X20	0.028	2500	EJ1C122M1020EDH00000
1500	10X20	0.028	2500	EJ1A152M1020EDH00000	10X20	0.028	2500	EJ1C152M1020EDH00000
2200	10X25	0.024	2900	EJ1A222M1025EDH00000	13X20	0.025	2600	EJ1C222M1320EDH00000
3300	13X25	0.019	3200	EJ1A332M1325EDH00000	16X20	0.021	3330	EJ1C332M1620FDH00000
4700	16X20	0.021	3330	EJ1A472M1620FDH00000	16X25	0.017	3810	EJ1C472M1625FDH00000

	25V (1E)				35V (1V)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
47					5X11	0.40	450	EJ1V470M0511BDH00000
100					6.3X12	0.17	700	EJ1V101M6L12CDH00000
150	6.3X12	0.17	700	EJ1E151M6L12CDH00000	8X12	0.075	1200	EJ1V151M0812DDH00000
220	8X12	0.075	1200	EJ1E221M0812DDH00000	8X16	0.059	1600	EJ1V221M0816DDH00000
330	8X12	0.075	1200	EJ1E331M0812DDH00000	8X20	0.041	1960	EJ1V331M0820DDH00000
470	10X13	0.053	1700	EJ1E471M1013EDH00000	10X20	0.028	2500	EJ1V471M1020EDH00000
680	10X16	0.038	2000	EJ1E681M1016EDH00000	10X25	0.024	2900	EJ1V681M1025EDH00000
1000	10X20	0.028	2500	EJ1E102M1020EDH00000	13X25	0.019	3200	EJ1V102M1325EDH00000
1200	10X25	0.024	2900	EJ1E122M1025EDH00000	13X25	0.019	3200	EJ1V122M1325EDH00000
1500	13X20	0.025	2600	EJ1E152M1320EDH00000	16X20	0.021	3330	EJ1V152M1620FDH00000
2200	16X20	0.021	3330	EJ1E222M1620FDH00000				
3300	16X25	0.017	3810	EJ1E332M1625FDH00000				

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

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NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	50V (1H)				63V (1J)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
15					5X11	0.71	240	EJ1J150M0511BDH00000
22	5X11	0.48	310	EJ1H220M0511BDH00000				
47					6.3X12	0.28	420	EJ1J470M6L12CDH00000
100	8X12	0.12	950	EJ1H101M0812DDH00000	8X16	0.13	990	EJ1J101M0816DDH00000
150	10X13	0.073	1280	EJ1H151M1013EDH00000	8X20	0.096	1200	EJ1J151M0820DDH00000
220	10X16	0.053	1650	EJ1H221M1016EDH00000	10X20	0.056	1570	EJ1J221M1020EDH00000
330	10X20	0.038	2060	EJ1H331M1020EDH00000	10X25	0.046	1990	EJ1J331M1025EDH00000
470	13X20	0.032	2300	EJ1H471M1320EDH00000	13X25	0.031	2460	EJ1J471M1325EDH00000
680	13X25	0.025	2800	EJ1H681M1325EDH00000	13X35	0.024	3040	EJ1J681M1335EDH00000
1000	16X25	0.022	3510	EJ1H102M1625FDH00000				

	80V (1K)				100V (2A)			
	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current	Part Number
10	5X11	1.2	220	EJ1K100M0511BDH00000	6.3X12	1.2	220	EJ2A100M6L12CDH00000
15					6.3X12	0.46	310	EJ2A150M6L12CDH00000
22	6.3X12	0.45	370	EJ1K220M6L12CDH00000	8X12	0.29	620	EJ2A220M0812DDH00000
33					8X12	0.29	620	EJ2A330M0812DDH00000
47	8X12	0.29	620	EJ1K470M0812DDH00000	8X16	0.20	780	EJ2A470M0816DDH00000
68	10X13	0.17	780	EJ1K680M1013EDH00000	8X20	0.16	1040	EJ2A680M0820DDH00000
100	10X16	0.11	1040	EJ1K101M1016EDH00000	10X20	0.084	1430	EJ2A101M1020EDH00000
150	10X20	0.084	1430	EJ1K151M1020EDH00000	13X20	0.062	1750	EJ2A151M1320EDH00000
220	13X20	0.062	1750	EJ1K221M1320EDH00000	13X25	0.047	2210	EJ2A221M1325EDH00000
330	13X30	0.042	2400	EJ1K331M1330EDH00000	13X35	0.036	2600	EJ2A331M1335EDH00000
470	16X25	0.038	2430	EJ1K471M1625FDH00000	16X30	0.032	2640	EJ2A471M1630FDH00000
680	16X35	0.029	2860	EJ1K681M1635FDH00000	18X35	0.027	3510	EJ2A681M1835FDH00000
1000	18X35	0.027	3510	EJ1K102M1835FDH00000				

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