

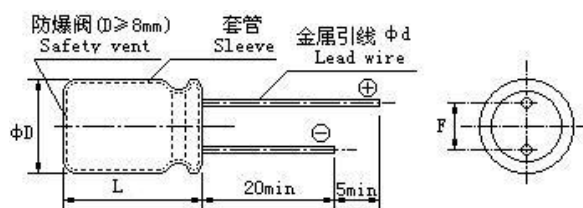
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- Low impedance, extra high ripple current
- Endurance 2000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40+105℃						
Voltage Range	160-450V.DC						
Capacitance Tolerance	±20%(120Hz,20℃)						
Leakage Current	I≤0.02CV+25(μA)（2 分钟）						
Dissipation Factor （120hz、20℃）	WV	160	200	250	350	400	450
	tgδ	0.12	0.12	0.12	0.15	0.15	0.15
Stability at Low Temperature （120Hz）	WV	160	200	250	350	400	450
	Z _{-25℃} /Z _{+20℃}	3	3	3	6	6	6
	Z _{-40℃} /Z _{+20℃}	8	8	8	10	10	15
Endurance	In an environment of +105℃, apply the operating voltage with ripple current for 2000 hours, and after 16 hours of recovery, the product performance meets the following requirements:						
	Capacitance	Within ±20%of initial measured					
	Dissipation Factor	≤200% of initial specified value					
	Leakage Current	≤initial specified value					
Shelf Life	In an environment of +105℃, 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 ±20%of initial					
	Dissipation Factor	≤200% of initial specified					
	Leakage Current	≤200% of initial specified					

DRAWING & DIMENSIONS (Unit: mm)



ϕD	5	6.3	8	10	13	16	18
$F \pm 0.5$	2.0	2.5	3.5	5.0	5.0	7.5	7.5
$\phi d \pm 0.05$	0.5	0.5	0.5	0.6	0.6	0.8	0.8
L	$(L < 20) \pm 1.5$			$(L \geq 20) \pm 2.0$			
D	$(D < 20) \pm 0.5$			$(D \geq 20) \pm 1.0$			

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency(Hz)	120	1K	10K	100K
Capacitance(μF)				
Coefficient				
160-450V	0.50	0.80	0.90	1.00

KB

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	160V (2C)				200V (2D)			
	Dimensions (mm)	ESR (Ω)	Ripple Current (mA)	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current (mA)	Part Number
4.7					8X12	5.00	78	KB2D4R7M0812DGH00000
6.8	8X12	3.12	92	KB2C6R8M0812DGH00000	10X13	2.71	115	KB2D6R8M1013EGH00000
10	10X13	2.69	140	KB2C100M1013EGH00000	10X16	2.02	150	KB2D100M1016EGH00000
22	10X16	1.30	205	KB2C220M1016EGH00000	10X20	1.40	205	KB2D220M1020EGH00000
33	10X20	1.10	206	KB2C330M1020EGH00000	13X20	0.80	330	KB2D330M1320EGH00000
47	13X20	0.91	320	KB2C470M1320EGH00000	13X25	0.51	400	KB2D470M1325EGH00000
68	13X25	0.56	450	KB2C680M1325EGH00000	16X25	0.35	540	KB2D680M1625FGH00000
100	16X25	0.47	540	KB2C101M1625FGH00000	16X30	0.28	780	KB2D101M1630FGH00000
150	16X30	0.26	710	KB2C151M1630FGH00000	16X35	0.23	840	KB2D151M1635FGH00000
220	16X35	0.19	820	KB2C221M1635FGH00000	18X40	0.16	1050	KB2D221M1840FGH00000
330	18X40	0.16	1180	KB2C331M1840FGH00000				

	250V (2E)				350V (2V)			
	Dimensions (mm)	ESR (Ω)	Ripple Current (mA)	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current (mA)	Part Number
3.3	8X12	3.85	75	KB2E3R3M0812DGH00000	8X12	3.80	86	KB2V3R3M0812DGH00000
4.7	10X13	2.95	100	KB2E4R7M1013EGH00000	10X13	3.13	118	KB2V4R7M1013EGH00000
6.8	10X16	2.20	126	KB2E6R8M1016EGH00000	10X16	1.65	132	KB2V6R8M1016EGH00000
10	10X20	1.75	160	KB2E100M1020EGH00000	10X20	1.35	165	KB2V100M1020EGH00000
22	13X20	1.30	210	KB2E220M1320EGH00000	13X20	1.22	220	KB2V220M1320EGH00000
33	13X25	0.90	310	KB2E330M1325EGH00000	13X25	1.02	263	KB2V330M1325EGH00000
47	16X25	0.45	405	KB2E470M1625FGH00000	16X25	0.76	389	KB2V470M1625FGH00000
68	16X30	0.38	490	KB2E680M1630FGH00000	16X30	0.56	475	KB2V680M1630FGH00000
100	16X35	0.27	675	KB2E101M1635FGH00000	18X30	0.55	487	KB2V101M1830FGH00000
150	18X35	0.24	750	KB2E151M1835FGH00000	18X40	0.50	590	KB2V151M1840FGH00000

	400V (2G)				450V (2W)			
	Dimensions (mm)	ESR (Ω)	Ripple Current (mA)	Part Number	Dimensions (mm)	ESR (Ω)	Ripple Current (mA)	Part Number
1.0					8X12	17.35	75	KB2W1R0M0812DGH00000
2.2	8X12	13.00	76	KB2G2R2M0812DGH00000	10X13	10.25	65	KB2W2R2M1013EGH00000
3.3	10X13	12.00	86	KB2G3R3M1013EGH00000	10X16	10.00	89	KB2W3R3M1016EGH00000
4.7	10X16	10.00	105	KB2G4R7M1016EGH00000	10X20	5.00	105	KB2W4R7M1020EGH00000
6.8	10X20	7.50	160	KB2G6R8M1020EGH00000	13X20	4.05	135	KB2W6R8M1320EGH00000
10	13X20	3.60	235	KB2G100M1320EGH00000	13X25	3.75	180	KB2W100M1325EGH00000
22	13X25	2.65	295	KB2G220M1325EGH00000	16X25	2.80	320	KB2W220M1625FGH00000
33	16X25	1.60	440	KB2G330M1625FGH00000	16X30	2.20	460	KB2W330M1630FGH00000
47	16X30	1.40	580	KB2G470M1630FGH00000	16X35	1.05	730	KB2W470M1635FGH00000
68	16X35	0.80	800	KB2G680M1635FGH00000	18X35	0.75	760	KB2W680M1835FGH00000
100	18X35	0.61	900	KB2G101M1835FGH00000				

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