

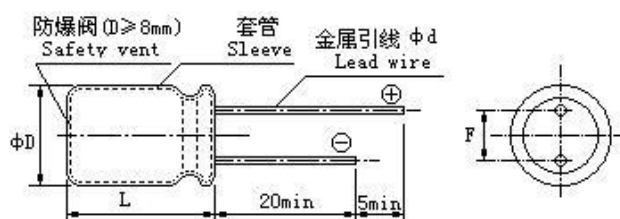
KL

- High Pipple Current Product, extra long life
- Endurance 10000 hours at 105°C/2000 hours at 130°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40+105℃ (160-450V.DC)/-25+105℃ (500V.DC)							
Voltage Range	160-500V.DC							
Capacitance Tolerance	±20%(120Hz,20℃)							
Leakage Current	I≤0.02CV+25(μA) (2 minutes)							
Dissipation Factor (120hz、20℃)	WV	160	200	250	350	400	450	500
	tgδ	0.15	0.15	0.15	0.20	0.20	0.20	0.24
Stability at Low Temperature (120Hz)	WV	160	200	250	350	400	450	500
	Z _{-25℃} /Z _{+20℃}	3	3	3	6	6	6	8
	Z _{-40℃} /Z _{+20℃}	8	8	8	10	10	15	-
Endurance	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 Change		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±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) ±1.5				(L≥20) ±2.0		
D	(D<20) ±0.5				(D≥20) ±1.0		

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency(Hz)	120	1K	10K	100k
Capacitance(μF)	Coefficient			
160-250V	0.50	0.85	0.90	1.00
350-500V	0.50	0.80	0.90	1.00

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NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	160V (2C)			200V (2D)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
4.7	8X12	100	KL2C4R7M0812DCH00000	8X12	105	KL2D4R7M0812DCH00000
5.6	8X12	107	KL2C5R6M0812DCH00000	8X12	110	KL2D5R6M0812DCH00000
6.8	8X12	115	KL2C6R8M0812DCH00000	8X12	120	KL2D6R8M0812DCH00000
8.2	8X12	190	KL2C8R2M0812DCH00000	8X12	190	KL2D8R2M0812DCH00000
10	8X12	210	KL2C100M0812DCH00000	8X12	235	KL2D100M0812DCH00000
15	8X12	320	KL2C150M0812DCH00000	10X16	346	KL2D150M1016ECH00000
22	10X20	450	KL2C220M1020ECH00000	10X16	475	KL2D220M1016ECH00000
33	10X20	590	KL2C330M1020ECH00000	13X20	650	KL2D330M1320ECH00000
47	13X20	810	KL2C470M1320ECH00000	13X20	820	KL2D470M1320ECH00000
68	13X25	980	KL2C680M1325ECH00000	13X25	1080	KL2D680M1325ECH00000
100	16X25	1320	KL2C101M1625FCH00000	16X25	1450	KL2D101M1625FCH00000
150	16X30	1890	KL2C151M1630FCH00000	16X30	1990	KL2D151M1630FCH00000
220	18X25	2370	KL2C221M1825FCH00000			

	250V (2E)			350V (2V)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
4.7	8X12	105	KL2E4R7M0812DCH00000	8X16	118	KL2V4R7M0816DCH00000
5.6	8X12	125	KL2E5R6M0812DCH00000	8X16	135	KL2V5R6M0816DCH00000
6.8	8X16	140	KL2E6R8M0816DCH00000	10X16	162	KL2V6R8M1016ECH00000
8.2	8X16	160	KL2E8R2M0816DCH00000	10X16	206	KL2V8R2M1016ECH00000
10	8X16	235	KL2E100M0816DCH00000	10X16	258	KL2V100M1016ECH00000
15	10X16	346	KL2E150M1016ECH00000	13X20	380	KL2V150M1320ECH00000
22	10X20	483	KL2E220M1020ECH00000	13X20	460	KL2V220M1320ECH00000
33	13X20	650	KL2E330M1320ECH00000	16X20	635	KL2V330M1620FCH00000
47	13X25	840	KL2E470M1325ECH00000	16X25	830	KL2V470M1625FCH00000
68	16X25	1100	KL2E680M1625FCH00000	18X25	1080	KL2V680M1825FCH00000
100	16X30	1450	KL2E101M1630FCH00000	18X30	1400	KL2V101M1830FCH00000
150	16X35	1990	KL2E151M1635FCH00000			

Rated ripple current: (105℃, 100KHz)

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NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	400V (2G)			450V (2W)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
2.2	8X12	85	KL2G2R2M0812DCH00000	8X16	90	KL2W2R2M0816DCH00000
3.3	8X16	105	KL2G3R3M0816DCH00000	8X16	100	KL2W3R3M0816DCH00000
4.7	10X16	118	KL2G4R7M1016ECH00000	10X16	130	KL2W4R7M1016ECH00000
5.6	10X16	150	KL2G5R6M1016ECH00000	10X20	170	KL2W5R6M1020ECH00000
6.8	10X16	165	KL2G6R8M1016ECH00000	10X20	188	KL2W6R8M1020ECH00000
8.2	10X20	210	KL2G8R2M1020ECH00000	10X20	230	KL2W8R2M1020ECH00000
10	10X20	258	KL2G100M1020ECH00000	13X20	264	KL2W100M1320ECH00000
15	13X20	380	KL2G150M1320ECH00000	13X20	380	KL2W150M1320ECH00000
22	16X20	500	KL2G220M1620FCH00000	16X20	515	KL2W220M1620FCH00000
33	16X25	620	KL2G330M1625FCH00000	16X25	650	KL2W330M1625FCH00000
47	16X30	760	KL2G470M1630FCH00000	16X35	780	KL2W470M1635FCH00000
68	18X30	900	KL2G680M1830FCH00000	18X30	1050	KL2W680M1830FCH00000
100	18X40	1320	KL2G101M1840FCH00000	18X45	1450	

	500V (2H)		
	Dimensions (mm)	Ripple Current (mA)	Part Number
10	13X20	290	KL2H100M1320ECH00000
15	13X25	395	KL2H150M1325ECH00000
22	16X25	505	KL2H220M1625FCH00000
33	18X25	630	KL2H330M1825FCH00000
47	18X30	790	KL2H470M1830FCH00000

Rated ripple current: (105℃, 100kHz)