

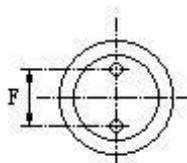
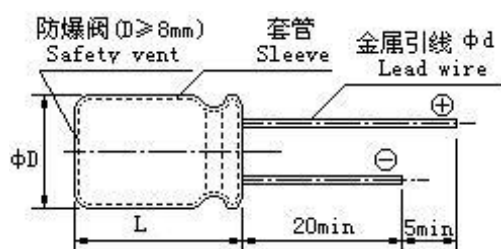
KP

- High Pipple Current Product
- Endurance 3000 hours at 105°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(μA)+25μA (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 3000 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 Change	Within ±20%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
$F \pm 0.5$	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
Capacitance(μF)	Coefficient		
Capacitance < 220	1.00	1.40	1.60
Capacitance ≥ 220	1.00	1.13	1.15

KP

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	44	KP2C4R7M0812DAH00000	8X12	52	KP2D4R7M0812DAH00000
6.8	10X13	68	KP2C6R8M1013EAH00000	10X13	70	KP2D6R8M1013EAH00000
10	10X16	90	KP2C100M1016EAH00000	10X16	100	KP2D100M1016EAH00000
22	10X16	140	KP2C220M1016EAH00000	10X20	160	KP2D220M1020EAH00000
33	10X20	200	KP2C330M1020EAH00000	10X20	215	KP2D330M1020EAH00000
47	13X20	290	KP2C470M1320EAH00000	13X20	310	KP2D470M1320EAH00000
68	13X25	380	KP2C680M1325EAH00000	13X25	420	KP2D680M1325EAH00000
82	13X25	420	KP2C820M1325EAH00000	16X20	480	KP2D820M1620FAH00000
100	16X20	520	KP2C101M1620FAH00000	16X25	560	KP2D101M1625FAH00000
150	18X25	750	KP2C151M1825FAH00000	18X25	780	KP2D151M1825FAH00000
220	18X30	870	KP2C221M1830FAH00000	18X30	920	KP2D221M1830FAH00000
330	18X40	1000	KP2C331M1840FAH00000			

	250V (2E)			350V (2V)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
3.3	8X12	46	KP2E3R3M0812DAH00000	8X12	48	KP2V3R3M0812DAH00000
4.7	8X12	55	KP2E4R7M0812DAH00000	10X13	58	KP2V4R7M1013EAH00000
6.8	10X13	70	KP2E6R8M1013EAH00000	10X13	80	KP2V6R8M1013EAH00000
10	10X16	110	KP2E100M1016EAH00000	10X16	110	KP2V100M1016EAH00000
22	10X20	160	KP2E220M1020EAH00000	13X20	180	KP2V220M1320EAH00000
33	13X20	245	KP2E330M1320EAH00000	16X20	260	KP2V330M1620FAH00000
47	13X25	340	KP2E470M1325EAH00000	16X25	364	KP2V470M1625FAH00000
68	16X20	460	KP2E680M1620FAH00000	18X25	470	KP2V680M1825FAH00000
82	16X25	490	KP2E820M1625FAH00000	18X30	510	KP2V820M1830FAH00000
100	16X30	580	KP2E101M1630FAH00000	18X30	590	KP2V101M1830FAH00000
150	18X35	800	KP2E151M1835FAH00000	18X40	820	KP2V151M1840FAH00000

Rated ripple current: (105℃, 120Hz)

KP

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	42	KP2G2R2M0812DAH00000	8X12	44	KP2W2R2M0812DAH00000
3.3	8X12	52	KP2G3R3M0812DAH00000	8X12	55	KP2W3R3M0812DAH00000
4.7	10X13	60	KP2G4R7M1013EAH00000	10X13	62	KP2W4R7M1013EAH00000
6.8	10X13	82	KP2G6R8M1013EAH00000	10X16	82	KP2W6R8M1016EAH00000
10	10X16	110	KP2G100M1016EAH00000	10X20	130	KP2W100M1020EAH00000
22	13X20	190	KP2G220M1320EAH00000	13X25	190	KP2W220M1325EAH00000
33	16X20	280	KP2G330M1620FAH00000	16X25	290	KP2W330M1625FAH00000
47	16X25	364	KP2G470M1625FAH00000	16X30	380	KP2W470M1630FAH00000
68	18X25	472	KP2G680M1825FAH00000	18X30	472	KP2W680M1830FAH00000
82	18X30	536	KP2G820M1830FAH00000	18X35	550	KP2W820M1835FAH00000
100	18X35	610	KP2G101M1835FAH00000	18X40	612	KP2W101M1840FAH00000
120	18X40	709	KP2G121M1840FAH00000			

	500V (2W)		
	Dimensions (mm)	Ripple Current (mA)	Part Number
4.7	10X13	45	KP2H4R7M1013EAH00000
6.8	10X16	60	KP2H6R8M1016EAH00000
10	10X20	100	KP2H100M1020EAH00000
22	13X25	185	KP2H220M1325EAH00000
33	16X25	290	KP2H330M1625FAH00000
47	16X30	390	KP2H470M1630FAH00000
68	18X30	480	KP2H680M1830FAH00000
82	18X35	560	KP2H820M1835FAH00000
100	18X40	620	KP2H101M1840FAH00000

Rated ripple current: (105℃, 120Hz)