

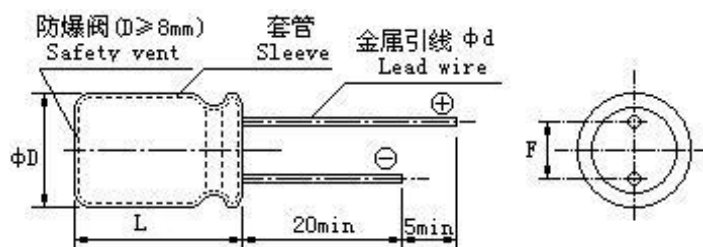
KH

- High Pipple Current Product
- Endurance 2000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40+105℃(160-450V.DC)-25+105℃(550V.DC)								
Voltage Range	160-550V.DC								
Capacitance Tolerance	±20%(120Hz,20℃)								
Leakage Current	I≤0.02CV(μA) + 25 μA (2 minutes)								
Dissipation Factor (120hz、20℃)	WV	160	200	250	350	400	450	500	550
	tgδ	0.15	0.15	0.15	0.20	0.20	0.20	0.24	0.24
Stability at Low Temperature (120Hz)	WV	160	200	250	350	400	450	500	550
	Z _{-25℃} /Z _{+20℃}	3	3	3	6	6	6	8	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 2000 hours, and after 16 hours of recovery, the product performance meets the following requirements:								
	Capacitance Change		Within ±20%of initial measured value						
	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 value						
	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

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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	41	KH2C4R7M0812DAH00000	8X12	43	KH2D4R7M0812DAH00000
6.8	8X12	49	KH2C6R8M0812DAH00000	8X12	51	KH2D6R8M0812DAH00000
10	10X13	68	KH2C100M1013EAH00000	10X13	70	KH2D100M1013EAH00000
22	10X16	112	KH2C220M1016EAH00000	10X16	115	KH2D220M1016EAH00000
33	10X20	147	KH2C330M1020EAH00000	10X20	152	KH2D330M1020EAH00000
47	13X20	200	KH2C470M1320EAH00000	13X20	205	KH2D470M1320EAH00000
68	13X25	250	KH2C680M1325EAH00000	13X25	268	KH2D680M1325EAH00000
100	13X25	320	KH2C101M1325EAH00000	16X25	345	KH2D101M1625FAH00000
150	16X25	425	KH2C151M1625FAH00000	16X30	444	KH2D151M1630FAH00000
220	16X30	540	KH2C221M1630FAH00000	18X30	560	KH2D221M1830FAH00000
330	18X30	658	KH2C331M1830FAH00000	18X40	750	KH2D331M1840FAH00000

	250V (2E)			350V (2V)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
3.3	8X12	35	KH2E3R3M0812DAH00000	8X12	40	KH2V3R3M0812DAH00000
4.7	8X12	45	KH2E4R7M0812DAH00000	8X12	47	KH2V4R7M0812DAH00000
6.8	10X13	60	KH2E6R8M1013EAH00000	10X13	65	KH2V6R8M1013EAH00000
10	10X16	80	KH2E100M1016EAH00000	10X16	85	KH2V100M1016EAH00000
22	10X20	125	KH2E220M1020EAH00000	13X20	140	KH2V220M1320EAH00000
33	13X20	175	KH2E330M1320EAH00000	13X25	190	KH2V330M1325EAH00000
47	13X25	230	KH2E470M1325EAH00000	16X25	245	KH2V470M1625FAH00000
68	16X25	294	KH2E680M1625FAH00000	16X30	330	KH2V680M1630FAH00000
100	16X30	380	KH2E101M1630FAH00000	18X35	420	KH2V101M1835FAH00000
150	18X30	460	KH2E151M1830FAH00000	18X40	510	KH2V151M1840FAH00000
220	18X40	585	KH2E221M1840FAH00000			

Rated ripple current: (105℃, 120Hz)

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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	30	KH2G2R2M0812DAH00000	8X12	24	KH2W2R2M0812DAH00000
3.3	8X12	38	KH2G3R3M0812DAH00000	8X12	32	KH2W3R3M0812DAH00000
4.7	8X12	44	KH2G4R7M0812DAH00000	8X16	44	KH2W4R7M0816DAH00000
6.8	10X13	65	KH2G6R8M1013EAH00000	10X16	60	KH2W6R8M1016EAH00000
10	10X16	80	KH2G100M1016EAH00000	10X20	90	KH2W100M1020EAH00000
22	13X20	150	KH2G220M1320EAH00000	16X20	148	KH2W220M1620FAH00000
33	16X20	205	KH2G330M1620FAH00000	16X25	195	KH2W330M1625FAH00000
47	16X25	270	KH2G470M1625FAH00000	18X25	240	KH2W470M1825FAH00000
68	18X25	350	KH2G680M1825FAH00000	18X30	320	KH2W680M1830FAH00000
100	18X35	465	KH2G101M1835FAH00000	18X35	440	KH2W101M1835FAH00000
120	18X35	545	KH2G121M1835FAH00000	18X45	510	KH2W121M1845FAH00000
150	18X40	646	KH2G151M1840FAH00000			
180	18X45	750				

	500V (2H)			550V (2J)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
3.3	8X14	32	KH2H3R3M0814DAH00000	8X14	32	KH2Y3R3M0814DAH00000
4.7	8X16	55	KH2H4R7M0816DAH00000	8X16	50	KH2Y4R7M0816DAH00000
6.8	10X16	75	KH2H6R8M1016EAH00000	10X16	72	KH2Y6R8M1016EAH00000
10	10X20	105	KH2H100M1020EAH00000	10X20	105	KH2Y100M1020EAH00000
22	13X20	165	KH2H220M1320EAH00000	13X25	165	KH2Y220M1325EAH00000

Rated ripple current: (105℃, 120Hz)