

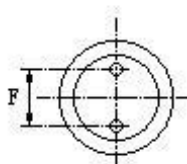
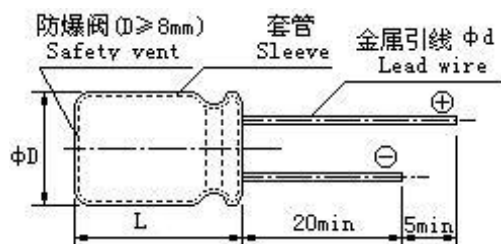
KF

- High Pipple Current Product, Long Life
- Endurance 5000 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+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 5000 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±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

Frequency(Hz)	120	1K	≥10K
Capacitance(μF)	Coefficient		
Capacitance<220	1.00	1.40	1.60
Capacitance≥220	1.00	1.13	1.15

KF

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	160V (2C)			200V (2D)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
10	10X16	90	KF2C100M1016EAH00000	10X16	100	KF2D100M1016EAH00000
22	10X20	140	KF2C220M1020EAH00000	10X20	160	KF2D220M1020EAH00000
33	10X20	190	KF2C330M1020EAH00000	13X20	215	KF2D330M1320EAH00000
47	13X20	290	KF2C470M1320EAH00000	13X20	310	KF2D470M1320EAH00000
68	13X25	380	KF2C680M1325EAH00000	13X25	420	KF2D680M1325EAH00000
82	16X20	420	KF2C820M1620FAH00000	16X25	480	KF2D820M1625FAH00000
100	16X25	520	KF2C101M1625FAH00000	16X25	560	KF2D101M1625FAH00000
220	18X35	870	KF2C221M1835FAH00000	18X35	920	KF2D221M1835FAH00000

	250V (2E)			350V (2V)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
6.8				10X16	80	KF2V6R8M1016EAH00000
10	10X16	110	KF2E100M1016EAH00000	10X20	110	KF2V100M1020EAH00000
22	13X20	160	KF2E220M1320EAH00000	13X20	180	KF2V220M1320EAH00000
33	13X20	235	KF2E330M1320EAH00000	16X20	260	KF2V330M1620FAH00000
47	16X20	340	KF2E470M1620FAH00000	16X30	364	KF2V470M1630FAH00000
68	16X25	450	KF2E680M1625FAH00000	18X30	470	KF2V680M1830FAH00000
82	18X25	490	KF2E820M1825FAH00000	18X35	10	KF2V820M1835FAH00000
100	18X30	580	KF2E101M1830FAH00000	18X40	590	KF2V101M1840FAH00000

	400V (2G)			450V (2W)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
4.7	10X16	65	KF2G4R7M1016EAH00000	10X16	65	KF2W4R7M1016EAH00000
6.8	10X16	82	KF2G6R8M1016EAH00000	10X20	85	KF2W6R8M1020EAH00000
10	10X20	110	KF2G100M1020EAH00000	13X20	130	KF2W100M1320EAH00000
22	13X25	190	KF2G220M1325EAH00000	16X20	190	KF2W220M1620FAH00000
33	16X25	280	KF2G330M1625FAH00000	16X25	290	KF2W330M1625FAH00000
47	16X30	364	KF2G470M1630FAH00000	18X30	380	KF2W470M1830FAH00000
68	18X30	472	KF2G680M1830FAH00000	18X35	472	KF2W680M1835FAH00000
82	18X35	536	KF2G820M1835FAH00000	18X40	550	KF2W820M1840FAH00000
100	18X40	610	KF2G101M1840FAH00000			

	500V (2H)		
	Dimensions (mm)	Ripple Current (mA)	Part Number
10	13X20	100	KF2H100M1320EAH00000
22	16X20	185	KF2H220M1620FAH00000
33	16X25	290	KF2H330M1625FAH00000
47	18X30	390	KF2H470M1830FAH00000
68	18X35	500	KF2H680M1835FAH00000
82	18X40	560	KF2H820M1840FAH00000
100	18X45	620	KF2H100M1320EAH00000

Rated ripple current: (105℃, 120Hz)