

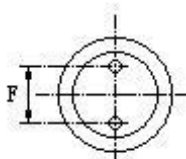
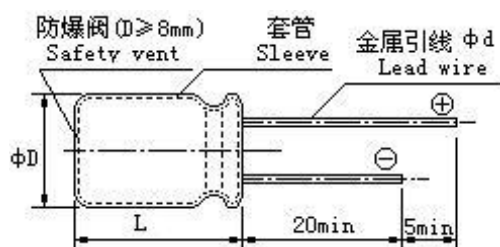
KT

- High Pipple Current Product, Long Life
- Endurance 6000 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 6000 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±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	100K
Capacitance(μF)	Coefficient			
160-250	0.55	0.85	0.90	1.00
350-500	0.50	0.80	0.90	1.00

KT

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	160V (2C)			200V (2D)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
6.8	8X12	96	KT2C6R8M0812DCH00000	8X12	103	KT2D6R8M0812DCH00000
10	8X16	206	KT2C100M0816DCH00000	8X16	189	KT2D100M0816DCH00000
15	8X16	225	KT2C150M0816DCH00000	10X16	213	KT2D150M1016ECH00000
22	10X16	300	KT2C220M1016ECH00000	10X16	360	KT2D220M1016ECH00000
33	10X20	400	KT2C330M1020ECH00000	13X20	450	KT2D330M1320ECH00000
47	13X20	520	KT2C470M1320ECH00000	13X20	580	KT2D470M1320ECH00000
68	13X20	660	KT2C680M1320ECH00000	13X25	665	KT2D680M1325ECH00000
100	16X20	720	KT2C101M1620FCH00000	16X25	760	KT2D101M1625FCH00000
150	16X25	800	KT2C151M1625FCH00000	16X30	895	KT2D151M1630FCH00000

	250V (2E)			350V (2V)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
4.7	8X12	102	KT2E4R7M0812DCH00000	8X12	85	KT2V4R7M0812DCH00000
6.8	8X16	115	KT2E6R8M0816DCH00000	10X16	128	KT2V6R8M1016ECH00000
10	8X16	200	KT2E100M0816DCH00000	10X16	207	KT2V100M1016ECH00000
15	10X16	280	KT2E150M1016ECH00000	10X20	285	KT2V150M1020ECH00000
22	10X20	380	KT2E220M1020ECH00000	13X20	380	KT2V220M1320ECH00000
33	13X20	535	KT2E330M1320ECH00000	13X25	480	KT2V330M1325ECH00000
47	13X25	627	KT2E470M1325ECH00000	16X20	550	KT2V470M1620FCH00000
68	16X25	720	KT2E680M1625FCH00000	18X25	700	KT2V680M1825FCH00000
100	16X30	840	KT2E101M1630FCH00000	18X30	900	KT2V101M1830FCH00000
150	16X35	980	KT2E151M1635FCH00000			

	400V (2G)			450V (2W)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
2.2	8X12	78	KT2G2R2M0812DCH00000	8X12	75	KT2W2R2M0812DCH00000
3.3	8X16	95	KT2G3R3M0816DCH00000	10X13	86	KT2W3R3M1013ECH00000
4.7	8X16	110	KT2G4R7M0816DCH00000	10X16	99	KT2W4R7M1016ECH00000
6.8	10X16	148	KT2G6R8M1016ECH00000	10X20	158	KT2W6R8M1020ECH00000
10	10X20	226	KT2G100M1020ECH00000	13X20	215	KT2W100M1320ECH00000
15	13X20	300	KT2G150M1320ECH00000	13X25	300	KT2W150M1325ECH00000
22	13X25	380	KT2G220M1325ECH00000	16X20	400	KT2W220M1620FCH00000
33	16X25	550	KT2G330M1625FCH00000	16X25	522	KT2W330M1625FCH00000
47	16X30	637	KT2G470M1630FCH00000	16X35	700	KT2W470M1635FCH00000
68	18X30	760	KT2G680M1830FCH00000	18X35	769	KT2W680M1835FCH00000
100	18X40	1000	KT2G101M1840FCH00000	18X40	950	KT2W101M1840FCH00000

	500V (2H)		
	Dimensions (mm)	Ripple Current (mA)	Part Number
10	13X20	210	KT2H100M1320ECH00000
15	13X25	280	KT2H150M1325ECH00000
22	16X25	360	KT2H220M1625FCH00000
33	18X25	500	KT2H330M1825FCH00000
47	18X30	680	KT2H470M1830FCH00000

Rated ripple current: (105℃, 100kHz)