

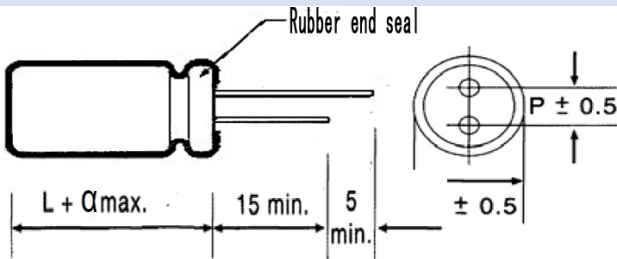
- ◆ Low impedance type
- ◆ Load life 2000-3000 Hrs at 105°C
- ◆ RoHS Compliant



Specifications 規格表

Ltem 項目	Performance Characteristics 特性參數						
Operating Temperature Range 工作溫度範圍	-40 to +105°C				-25 to +105°C		
Rated Voltage Range 額定電壓範圍	100 VDC				160 to 450 VDC		
Capacitance Range 容量範圍	100 to 1000 μF				22 to 680 μF		
Capacitance Tolerance 靜電容量偏差	±20% (120Hz, +20°C)						
Leakage Current 漏電流	I≤0.03CV or 3uA	1分鐘後讀數			I≤0.03CV 1分鐘後讀數		
	I≤0.01CV or 3uA	2分鐘後讀數			I≤0.02CV 5分鐘後讀數		
Dissipation Factor 損耗角正切值 tanδ (%)	rated voltage (V)	100	160	200	250	400	450
	tanδ% (Max)	8	20	20	20	24	24
Low Temperature Characteristics 低溫特性	impedance ratio max 電容器最大阻抗比值						
	rated voltage (V)	100	160	200	250	400	450
	Z(-25°C)/Z(+20°C)	2	3	3	3	5	6
	Z(-40°C)/Z(+20°C)	3	6	6	6	6	-
Load Life 使用壽命	105°C施加額定工作電壓和額定紋波電流驚下表規定時間，恢復到20°C後，產品應滿足以下要求						
	Time for 100V	2000hours					
	Time for 160-450V	3000hours					
	Capacitance change	≤±20% of the initial value					
	D.F。 (tanδ)	≤200% of the specified value					
	Leakage current	≤ The specified value					
Shelf Life 存儲特性	105°C放置1000小時，恢復到20°C後，產品應滿足以下性能要求						
	rated voltage (V)	100V				160-450V	
	Capacitance change	≤±20% of the initial value				≤±20% of the initial value	
	D.F。 (tanδ)	≤200% of the specified value				≤200% of the specified value	
	Leakage current	≤ The specified value				≤500% of the specified value	

Diagram of Dimensions 外形尺寸圖 (mm)



D Φ	13	16	18	22	25
P	5.0	7.5	7.5	10.0	12.5
d Φ	0.6	0.8	0.8	0.8	1.0
α	(L < 20) 1.5 (L ≥ 20) 2.0				

Standard Ratings

Rated Voltage	Rated Capacity	Size φD*L	Rated ripple current	Part NO.
V	μF	mm	mA	
100V	330	16*20	1152	KF331M10016*20A
		16*25	1440	KF331M10016*25A
		18*20	1296	KF331M10018*20A
	470	16*26	1340	KF471M10016*26A
		16*32	1650	KF471M10016*32A
		18*26	1508	KF471M10018*26A
	560	16*36	1720	KF561M10016*36A
	680	18*36	1790	KF681M10018*36A
		18*32	1591	KF681M10018*32A
		16*36	1591	KF681M10016*36A
	820	18*36	1840	KF821M10018*36A
	1000	18*36	1900	KF102M10018*36A
		18*41	1930	KF102M10018*41A
		22*30	1726	KF102M10022*30A
160V	220	16*26	593	KF221M16016*26A
		16*32	729	KF221M16016*32A
		18*26	666	KF221M16018*26A
		16*36	820	KF221M16016*36A
	270	18*36	990	KF271M16018*36A
	330	22*30	1055	KF331M16022*30A
		18*30	920	KF331M16018*30A
		18*36	950	KF331M16018*36A
		16*30	860	KF331M16016*30A
		18*41	1180	KF331M16018*41A
	470	18*36	1036	KF471M16018*36A
		22*40	1207	KF471M16022*40A
		16*40	1030	KF471M16016*40A
		22*30	1090	KF471M16022*30A
	680	18*40	1200	KF681M16018*40A
		18*45	1200	KF681M16018*45A
		22*40	1230	KF681M16022*40A
		22*35	1207	KF681M16022*35A

Ripple current (mA,rms) at 105°C 120Hz

Standard Ratings

Rated Voltage	Rated Capacity	Size φD*L	Rated ripple current	Part NO.
V	μF	mm	mA	
200V	150	16*32	710	KF151M20016*32A
		16*26	576	KF151M20016*26A
	180	16*36	760	KF181M20016*36A
	220	18*32	820	KF221M20018*32A
		16*36	820	KF221M20016*36A
	270	18*36	990	KF271M20018*36A
	330	18*35	980	KF331M20018*35A
		18*41	1080	KF331M20018*41A
	470	22*40	1100	KF471M20022*40A
		25*35	1063	KF471M20025*35A
	680	22*40	1110	KF681M20022*40A
		25*35	1070	KF681M20025*35A
250V	220	18*32	850	KF221M25018*32A
		18*36	950	KF221M25018*36A
		18*40	1060	KF221M25018*40A
		22*30	973	KF221M25022*30A
		22*36	1160	KF221M25022*36A
	330	18*40	1065	KF331M25018*40A
		22*40	1080	KF331M25022*40A
		25*30	1070	KF331M25025*30A
	470	25*36	1095	KF471M25025*36A
		25*42	1100	KF471M25025*42A
	680	25*42	1112	KF681M25025*42A

Ripple current (mA,rms) at 105°C 120Hz

Standard Ratings

Rated Voltage	Rated Capacity	Size D*L	φ	Rated ripple current	Part NO.
V	μF	mm		mA	
400V	47	16*25		580	KF470M40016*25A
	68	16*32		800	KF680M40016*32A
	100	18*32		800	KF101M40018*32A
		18*36		900	KF101M40018*36A
		18*40		950	KF101M40018*40A
		22*30		916	KF101M40022*30A
	120	18*32		800	KF121M40018*32A
		18*36		926	KF121M40018*36A
	150	22*32		956	KF151M40022*32A
		18*35		960	KF151M40018*35A
		18*40		970	KF151M40018*40A
	180	18*40		975	KF181M40018*40A
		22*40		1010	KF181M40022*40A
	220	22*40		1050	KF221M40022*40A
		25*40		1080	KF221M40025*40A
450V	47	16*36		650	KF470M45016*36A
	68	16*35		656	KF680M45016*35A
		18*26		548	KF680M45018*26A
		18*36		760	KF680M45018*36A
	100	18*32		782	KF101M45018*32A
		18*36		880	KF101M45018*36A
		22*30		890	KF101M45022*30A
	120	18*32		790	KF121M45018*32A
		18*36		800	KF121M45018*36A
		22*35		795	KF121M45022*35A
	150	18*40		800	KF151M45018*40A
		22*36		800	KF151M45022*36A

Ripple current （mA,rms） at 105℃ 120Hz