Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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KXF SERIES

105℃ 20mm Height

•Load Life : 105℃ 3000 hours.

RoHS compliance

◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	−40～+105℃	−25～+105℃
Rated Voltage Range	10～100Vdc	160～450Vdc
Capacitance Tolerance	±20%(20℃,120Hz)	
Leakage Current(MAX)	I=3 $\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)	
Dissipation Factor(MAX) (tanδ)	(20℃,120Hz)	
Endurance	After applying rated voltage with rated ripple current for 3000 hours at 105℃, the capacitors shall meet the following requirements.	
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)	

Dissipation Factor(MAX) (tanδ)

Rated Voltage (Vdc)	10	16	25	35	50	63	80	100	160～450
tanδ	0.55	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.20

Endurance

Capacitance Change	Within ±20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.
Leakage Current	Not more than the specified value.

Low Temperature Stability Impedance Ratio(MAX)

Rated Voltage (Vdc)	10～100	160～250	315～450
Z(−25℃)/Z(20℃)	3	3	8
Z(−40℃)/Z(20℃)	12	−	−

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		60(50)	120(100)	300	500	1k	10k≦
Coefficient	10～100Vdc	0.90	1.00	1.03	1.05	1.10	1.15
	160～250Vdc	0.80	1.00	1.15	1.20	1.30	1.50
	315～450Vdc	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

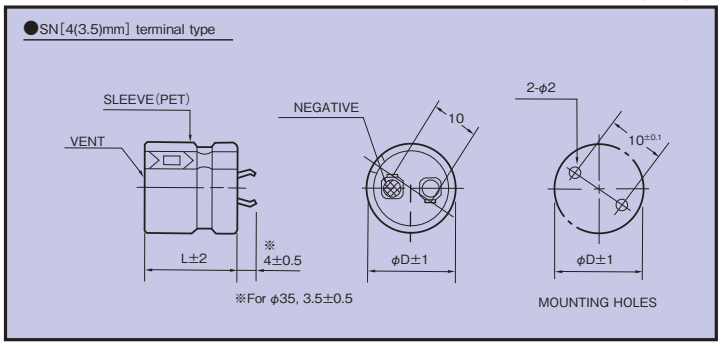
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

□□□	KXF	□□□□□	M	□□□	SN	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆DIMENSIONS (mm)

●SN[4(3.5)mm] terminal type



◆STANDARD SIZE

Cap(μF) \ Vdc	10	16	25	35	50	63	80	100
330								20×20 0.60
390								20×20 0.71
470							20×20 0.65	22×20 0.78
560							20×20 0.70	25×20 0.95
680						20×20 0.83	22×20 0.84	25×20 1.09
820						22×20 0.99	25×20 1.04	30×20 1.32
1000					20×20 0.87	22×20 1.10	25×20 1.19	
1200					22×20 1.02	25×20 1.20	30×20 1.44	
1500				20×20 0.80	25×20 1.15	30×20 1.47		
1800				22×20 0.94	25×20 1.34	30×20 1.52		
2200			20×20 0.98	22×20 1.04	30×20 1.60			
2700			22×20 1.08	25×20 1.29				
3300		20×20 1.06	22×20 1.29	30×20 1.45				
3900		20×20 1.25	25×20 1.58					
4700	20×20 0.98	22×20 1.38	25×20 1.61					
5600	20×20 1.16	25×20 1.68						
6800	22×20 1.31	25×20 1.80						
8200	25×20 1.59							
10000	25×20 1.77							

Cap(μF) \ Vdc	160	180	200	220	250	315	350	385
39								20×20 0.35
47							20×20 0.38	20×20 0.38
56						20×20 0.41	20×20 0.40	22×20 0.42
68						22×20 0.48	22×20 0.45	25×20 0.50
82						22×20 0.51	25×20 0.54	25×20 0.52
100						25×20 0.57	25×20 0.57	30×20 0.61
120					20×20 0.65	30×20 0.65	30×20 0.65	30×20 0.64
150				20×20 0.70	22×20 0.74	30×20 0.70	35×20 0.78	35×20 0.80
180		20×20 0.80	20×20 0.80	22×20 0.80	22×20 0.77	35×20 0.85	35×20 0.85	
220	20×20 0.81	22×20 0.90	22×20 0.87	25×20 0.85	25×20 0.95	35×20 0.90		
270	22×20 0.98	22×20 0.95	25×20 0.95	25×20 1.02	30×20 1.00			
330	25×20 1.02	25×20 1.15	25×20 1.15	30×20 1.12	30×20 1.16			
390	25×20 1.25	25×20 1.20	30×20 1.20	30×20 1.25	35×20 1.25			
470	30×20 1.30	30×20 1.36	30×20 1.41	35×20 1.45				
560	30×20 1.46	30×20 1.43	35×20 1.43					
680	35×20 1.51	35×20 1.51						
820	35×20 1.55							

Cap(μF) \ Vdc	400	420	450
39			20×20 0.36
47	20×20 0.39	20×20 0.38	20×20 0.41
56	20×20 0.40	22×20 0.45	22×20 0.43
68	22×20 0.49	22×20 0.48	25×20 0.50
82	25×20 0.55	25×20 0.53	25×20 0.53
100	25×20 0.60	30×20 0.58	30×20 0.61
120	30×20 0.75	30×20 0.70	30×20 0.70
150	30×20 0.80	35×20 0.80	35×20 0.80
180	35×20 0.85		

Ripple Current (A r.m.s./120Hz, 105℃)

Case Size φD×L(mm)