USK SERIES

85℃ Ultra Miniaturized

•Load Life : 85℃ 3000 hours.

RoHS compliance

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+85℃
Rated Voltage Range	400～450Vdc
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)	0.2 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 3000 hours at 85℃, the capacitors shall meet the following requirements. 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): 400～450 Z(−25℃)/Z(20℃): 8 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120(100)	300	500	1k	10k≦
Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

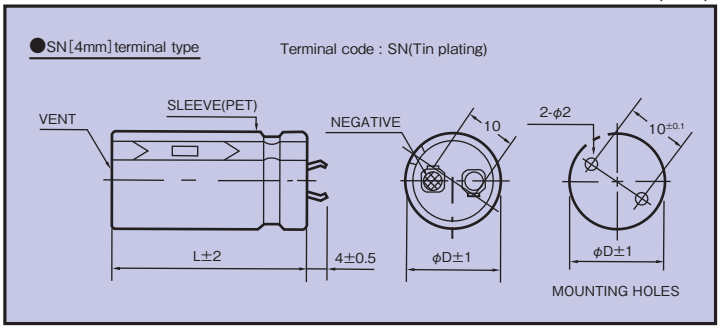
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap (μF) \ Vdc / φD	400							
	φ22		φ25		φ30		φ35	
150	22×25	1.40						
180	22×30	1.60						
220	22×30	1.74	25×25	1.68				
270	22×35	1.99	25×30	1.95				
330	22×40	2.26	25×35	2.23	30×25	1.98		
390	22×50	2.64	25×40	2.50	30×30	2.30		
470	22×60	3.03	25×45	2.81	30×35	2.61	35×25	2.12
560			25×55	3.24	30×40	2.92	35×30	2.50
680			25×60	3.58	30×45	3.25	35×35	2.83
820					30×50	3.57	35×40	3.17
1000					30×60	4.12	35×50	3.79
1200							35×55	4.09

Cap (μF) \ Vdc / φD	420							
	φ22		φ25		φ30		φ35	
150	22×25	1.42						
180	22×30	1.63	25×25	1.59				
220	22×35	1.87	25×30	1.84				
270	22×40	2.13	25×30	1.98	30×25	1.91		
330	22×45	2.41	25×35	2.27	30×30	2.22		
390	22×50	2.67	25×40	2.54	30×30	2.31	35×25	2.10
470			25×50	2.97	30×35	2.63	35×30	2.47
560			25×55	3.28	30×40	2.95	35×35	2.81
680					30×50	3.47	35×40	3.15
820					30×55	3.80	35×45	3.47
1000							35×50	3.78
1200							35×60	4.36

Cap (μF) \ Vdc / φD	450							
	φ22		φ25		φ30		φ35	
120	22×25	1.30						
150	22×30	1.53						
180	22×30	1.65	25×25	1.60				
220	22×35	1.89	25×30	1.85				
270	22×40	2.15	25×35	2.12	30×25	1.90		
330	22×50	2.51	25×40	2.41	30×30	2.22	35×25	2.04
390	22×60	2.86	25×45	2.67	30×35	2.51	35×30	2.39
470			25×55	3.09	30×40	2.82	35×30	2.43
560			25×60	3.40	30×45	3.13	35×35	2.78
680					30×50	3.46	35×40	3.10
820					30×60	3.97	35×45	3.43
1000							35×55	4.01

Ripple Current (A r.m.s./120Hz, 85℃)

Case Size φD×L(mm)