

USK SERIES

NEW

85°C Ultra Miniaturized, Snap-in Terminal Type

◆FEATURES

- Load Life : 85°C 3000 hours.
- Smaller size than USH series.
- 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 √CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)	
(tanδ) Dissipation Factor(MAX)	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 (120Hz)
	Z(-25℃)/Z(20℃)	8

◆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

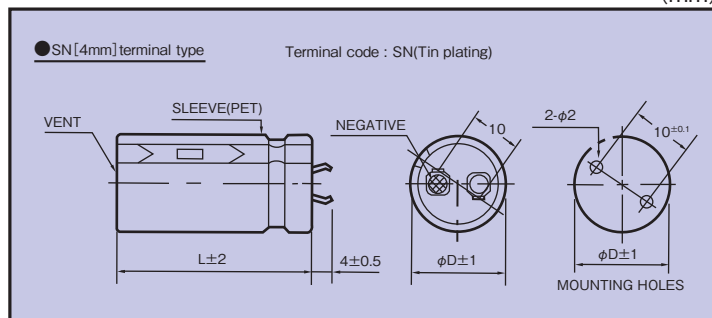
	Code
PET Sleeve without plate	EFC

◆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	420							
	φD	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	450							
	ΦD	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°C)
 Case Size ϕ D×L(mm)