

KSE3 series

- 105°C Load life 2000 hours high temperature resistance and ripple current resistance, high reliability.
- Suitable for wave filtering return circuit for power of equipment, such as: computer.
- Snap-in style

Example: KSE-220UF-400V-2540-105-S

where "-S" reflects snap-in construction



● SPECIFICATIONS

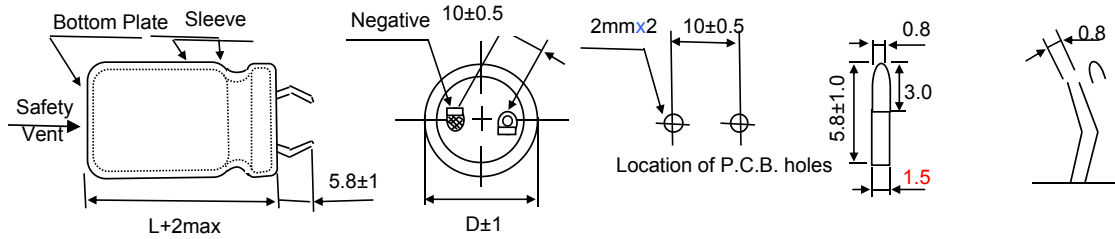
Items 項目	Characteristics 特性											
Capacitance Tolerance 靜電容量误差	±20%(120Hz, 20℃)											
Operating Temperature Range 適用溫度範圍	-40~+105℃						-25~+105℃					
Rated Voltage Range 工作電壓範圍	10~250V _{DC}						350~500V _{DC}					
Leakage Current 洩漏電流	I≤3√CV or 3000 (uA), which is greater. (After 5 minutes application of working voltage)											
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency:120Hz. Temperature:20℃											
	Rated Voltage(V)	10	16	25	35	50	63	80	100	160~250	350~500	
	tan δ (MAX)	0.45	0.40	0.35	0.30	0.25	0.25	0.20	0.20	0.15	0.20	
Low Temperature Stability 低溫特性	Measurement Frequency:120Hz.											
	Rated Voltage(V)	10	16	25	35	50	63~100		160~250		350~500	
	Z(-25℃)/Z(20℃)	6	6	4	4	4	4		4		8	
	Impedance Ratio(MAX) 阻抗比率(最大值)	Z(-40℃)/Z(20℃)	16	15	10	10	8	6		15		-
	Load Life 負荷壽命	2000 hours, with application of working voltage at 105℃										
Capacitance Change					Within ± 20% of Initial Value							
tan δ					200% or less of Initial Specified Value							
Leakage Current					Initial Specified Value or less							
Shelf Life 放置壽命	1000hours, no voltage applied, at 105℃ 。 After Test : U _R to be applied for 30 minutes, 24 to 48 hours before measurement.											
	Capacitance Change					Within ± 15% of Initial Value						
	tan δ					200% or less of Initial Specified Value						
	Leakage Current					Initial Specified Value or less						
Standards 參照標準	JIS C 5141 and JIS C 5102											

Frequency Coefficient of Permissible Ripple Current

Frequency (Hz)	50	120	1K	10K	100K
10~100WV	0.88	1.00	1.15	1.15	1.20
160~250WV	0.85	1.00	1.15	1.20	1.20
350~500WV	0.88	1.00	1.10	1.15	1.20

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● DIMENSIONS(mm)



● STANDARD RATINGS

D*L(mm); R.C.: (A rms) at 105°C, 120Hz

Cap (uF)	WV(V)	10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		Item	D*L	R.C.	D*L	R.C.	D*L	R.C.	D*L	R.C.	D*L
1500										22*25	1.20
1800										22*30	1.40
2200										22*30	1.60
										25*25	
2700								22*25	1.21	22*35	1.73
										25*30	
3300								22*30	1.36	22*40	1.97
										25*30	
3900						22*25	1.35	22*30	1.57	22*45	2.23
										25*35	
4700						22*30	1.58	22*35	1.77	22*50	2.45
								25*25		25*40	
5600					22*30	1.75	22*40	1.99	25*45	2.74	
					25*25		25*30		30*35		
6800			22*25	1.80	22*35	2.02	22*45	2.29	30*40	3.31	
					25*30		25*35		35*30		
8200			22*30	2.08	22*40	2.18	22*50	2.58	30*45	3.60	
			25*25		25*35		25*40		35*35		
10000	22*25	1.88	22*35	2.15	22*45	2.48	25*45	2.90	35*40	4.02	
			25*30		25*40		30*35		35*40		
12000	22*30	2.18	22*40	2.31	22*50	2.86	25*50	3.24	35*50	4.52	
	25*25		25*30		25*45		30*40				
15000	22*35	2.27	22*45	2.69	25*50	3.15	30*45	3.65			
	25*30		25*35		30*40		35*35				
18000	22*40	2.41	22*50	3.20	30*45	3.55	35*40	4.13			
	25*30		25*40		35*35						
22000	22*45	2.68	25*45	3.40	30*50	4.00	35*50	4.78			
	25*35		30*35		35*40						
27000	25*40	3.17	30*40	3.85	35*45	4.55					
	30*35		35*35								
33000	25*45	3.39	30*50	4.32	35*50	5.56					
	30*35		35*40								
39000	25*50	3.72	35*40	4.85							
	30*40										
47000	30*45	4.22	35*50	5.56							
	35*35										
56000	35*40	5.00									
68000	35*50	5.21									

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● STANDARD RATINGS

D*L(mm); R.C.: (A rms) at 105°C, 120Hz

Cap (uF)	WV (V)	63 (1J)		80 (1K)		100 (2A)		160 (2C)		200 (2D)	
	Item	D*L	R.C.	D*L	R.C.	D*L	R.C.	D*L	R.C.	D*L	R.C.
220										22*25	0.82
270								22*25	1.04	22*30	1.07
330								22*30	1.26	22*30 25*25	1.28
390								22*30 25*25	1.29	22*35 25*30	1.31
470								22*35 25*30	1.56	22*40 25*30	1.58
560						22*25	1.02	22*40 25*30	1.69	22*45 25*35	1.72
680						22*30	1.12	22*45 25*35	1.72	25*40 30*30	1.75
820				22*25	1.04	22*30 25*25	1.32	22*50 25*40	1.99	25*50 30*35	2.04
1000				22*30	1.21	22*35 25*30	1.45	25*45 30*35	2.20	30*45 35*35	2.30
1500	22*30 25*25	1.45		22*40 25*30	1.57	22*45 25*40	1.98	30*50 35*40	3.06	35*45	3.07
1800	22*35 25*30	1.59		22*45 25*35	1.72	25*45 30*35	2.23	35*45	3.14		
2200	22*40 25*30	1.84		25*40 30*30	2.01	25*50 30*40	2.53	35*50	3.50		
2700	22*45 25*35	2.12		25*45 30*35	2.32	30*45 35*35	2.82				
3300	25*40 30*30	2.30		30*40 35*30	2.62	30*50 35*40	3.32				
3900	25*45 30*35	2.42		30*45 35*35	2.84	35*45	3.62				
4700	25*50 30*40	2.91		30*50	3.29	35*50	3.80				
5600	30*45 35*35	3.18		35*45	3.82						
6800	30*50 35*40	3.54		35*50	3.92						
8200	35*45	3.82		35*50	4.05						
10000	35*50	4.50		35*55	4.85						

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● STANDARD RATINGS

D*L(mm); R.C.: (A rms) at 105°C, 120Hz

Cap (uF)	WV(V)	250 (2E)		350 (2V)		400 (2G)		450 (2W)		500 (2H)	
	Item	D*L	R.C.	D*L	R.C.	D*L	R.C.	D*L	R.C.	D*L	R.C.
68						22*25	0.52	22x35	0.55	22*40	0.56
								25*30			
82				22*25	0.60	22*30	0.66	22x35	0.65	25*35	0.68
								25*30			
100				22*30	0.69	22*35	0.72	22*40	0.75	22x35	0.78
						25*25		25*30			
120	20*20	0.65		22*35	0.76	22*40	0.75	22*45	0.83	25*45	0.85
				25*30		25*30		25*40			
150	22*25	0.76		22*40	0.79	22*45	0.89	22*50	0.95	25*50	1.01
				25*30		25*35		25*40		30*40	
180	22*30	0.98		22*45	0.88	22*50	0.98	25*45	1.15	30*45	1.21
				25*35		25*40		30*40		35*35	
220	22*30	1.09		22*50	0.98	25*45	1.12	30*45	1.24	30*45	1.35
	25*25			25*40		30*35		35*40		35*40	
270	22*35	1.19		25*45	1.10	25*50	1.29	30*50	1.46	35*45	1.53
	25*30			30*35		30*40		35*45			
330	22*40	1.35		30*40	1.22	30*45	1.45	35*50	1.65	35*50	1.75
	25*35			35*35		35*35					
390	22*45	1.52		30*45	1.42	30*50	1.59	35*55	1.78		
	25*35			35*40		35*40					
470	22*50	1.63		35*45	1.62	35*45	1.75				
	25*40										
560	25*45	1.84		35*50	1.89	35*50	2.12				
	30*35										
680	25*50	2.05		35*50	2.10	35*50	2.20				
	30*40										
820	30*45 35*35	2.29		35*65	2.35	35*65	2.50				
1000	35*40	2.49									
1200	35*45	2.84									