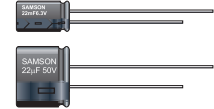


SKS Series

7mmL(高), -40°C~ +105°C

FEATURES

1. Rated working voltage range 6.3 to 50V DC operation temperature range -40 to +105°C.
2. This series is for communication equipments, switching power supply, industrial measuring instruments, automotive electric products, etc.



SPECIFICATIONS									
Item	Performance Characteristics								
Operating Temperature Range	-40 to +105°C								
Rated Working Voltage Range	6.3 to 50V								
Nominal Capacitance Range	0.1 to 470µF								
Capacitance Tolerance	±20% (120Hz, +20°C)								
Leakage Current	$I \leq 0.01CV$ or $3(\mu A)$ whichever is greater measured after 1 minute application of rated working voltage at +20°C								
Dissipation Factor tan δ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25	35	50		
	tan δ (max.)	0.24	0.21	0.18	0.15	0.13	0.12		
Low Temperature Characteristics	Impedance ratio max. at 120Hz								
	Working Voltage (V)	6.3	10	16	25	35	50		
	Z-25°C / Z+20°C	4	2	2	2	2	2		
	Z-40°C / Z+20°C	8	5	4	3	3	3		
High Temperature Loading	Test conditions	Post test requirements at +20°C							
	Duration : 1000 hours	Leakage current : \leq Initial specified value							
	Ambient temp. : +105°C	Cap. change : within $\pm 20\%$ of initial measured value							
	Applied voltage : Rated DC working voltage	tan δ : $\leq 200\%$ of initial specified value							
Shelf Life	Test conditions	Post test requirements at +20°C							
	Duration : 500 hours	Same limits for high temperature loading.							
	Ambient temp. : +105°C								
	Applied voltage : (None)								
Others	JIS C - 5141 JIS C - 5102								

CASE SIZE TABLE

	ϕD	4	5	6.3	8				
	P	1.5	2.0	2.5	3.5				
	ϕd	0.45							

RIPPLE CURRENT MULTIPLIER

Temperature Coefficient						Frequency Coefficient						
Temperature(°C)	~ 55	60	70	85	105	Cap(µF)	Freq.(Hz)	50	120	300	1K	10K ~
Factor	2.23	2.17	2.00	1.75	1.00	≤ 47		0.75	1.00	1.35	1.57	2.00
						47 ~ 470		0.80	1.00	1.23	1.34	1.50

SAMSON

SKS Series

7mmL(高), -40°C~ +105°C

DIMENSIONS									
Voltage (Code)		6.3V		10V		16V		25V	
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
0.1	104								
0.22	224								
0.33	334								
0.47	474								
1	105								
2.2	225								
3.3	335								
4.7	475								
10	106					4 x 7	29	5 x 7	33
22	226	4 x 7	34	5 x 7	38	5 x 7	44	6.3 x 7	51
33	336	5 x 7	42	5 x 7	47	5 x 7	57	6.3 x 7	63
47	476	5 x 7	50	6.3 x 7	59	6.3 x 7(5x7)	68	6.3 x 7	78
100	107	6.3 x 7(5x7)	77	6.3 x 7(5x7)	96	6.3 x 7(5x7)	107(88)	6.3 x 7	98
220	227	6.3 x 7	116	8 x 7(6.3x7)	140(122)	8 x 7(6.3x7)	124(116)	8 x 9	118
330	337	6.3 x 7	126	8 x 7	148	8 x 7	138		
470	477	6.3 x 7	135	8 x 7	157	8 x 9	149		

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ϕ D x L(mm)

Voltage (Code)		35V		50V					
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current				
0.1	104			4 x 7	1.0				
0.22	224			4 x 7	2.3				
0.33	334			4 x 7	3.5				
0.47	474			4 x 7	5.0				
1	105			4 x 7	10				
2.2	225			4 x 7	19				
3.3	335			4 x 7	24				
4.7	475	4 x 7	24	4 x 7	29				
10	106	5 x 7(4x7)	36(32)	5 x 7(4x7)	44				
22	226	5 x 7(4x7)	45	6.3x7	65				
33	336	5x7	52						
47	476	6.3x7	80						
100	107	8 x 7	98						
220	227								

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ϕ D x L(mm)