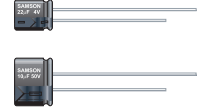


## SKF Series

5mmL(高), +105°C

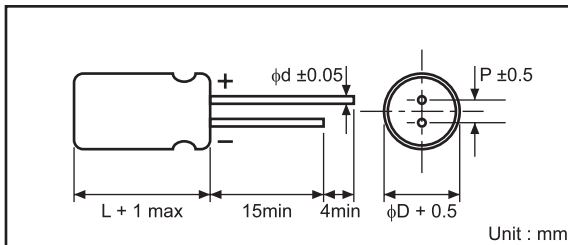
### FEATURES

1. Super miniature, 5mmL, high temperature, suit for use in electronic circuit of high density assembly of videocorder, remote controller, VCD etc.



SPECIFICATIONS								
Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated Working Voltage Range	4 to 50V							
Nominal Capacitance Range	0.1 to 100 $\mu$ F							
Capacitance Tolerance	$\pm$ 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 $\delta$ (120Hz, +20°C)	Working Voltage (V)	4	6.3	10	16	25	35	50
	tan $\delta$ (max.)	0.37	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature Characteristics	Impedance ratio max. at 120Hz							
	Working Voltage (V)	4	6.3	10	16	25	35	50
	Z-25°C / Z+20°C	6	3	3	2	2	2	2
	Z-40°C / Z+20°C	12	8	5	4	3	3	3
High Temperature Loading	Test conditions	Post test requirements at +20°C						
	Duration : 1000 hours Ambient temp. : +105°C Applied voltage : Rated DC working voltage	Leakage current : $\leq$ Initial specified value Cap. change : within $\pm$ 20% of initial measured value (4V: within $\pm$ 30%) tan $\delta$ : $\leq$ 200% of initial specified value						
Shelf Life	Test conditions	Post test requirements at +20°C						
	Duration : 500 hours Ambient temp. : +105°C Applied voltage : (None)	Leakage current : $\leq$ Initial specified value Cap. change : within $\pm$ 20% of initial measured value (4V: within $\pm$ 30%) tan $\delta$ : $\leq$ 200% of initial specified value						
Others	JIS C - 5141 JIS C - 5102							

### CASE SIZE TABLE



$\phi D$	4	5	6.3	8				
P	1.5	2.0	2.5	3.5				
$\phi d$	0.45							

### RIPPLE CURRENT MULTIPLIER

Temperature Coefficient					Frequency Coefficient							
Temperature(°C)	~ 55	60	70	85	105	Cap( $\mu$ F)	Freq.(Hz)	50	120	300	1K	10K ~
Factor	2.23	2.17	2.00	1.75	1.00	$\leq 47$		0.75	1.00	1.35	1.57	2.00
						47 ~ 100		0.80	1.00	1.23	1.34	1.50

# SAMSON

## SKF Series

5mmL(高), +105°C

### DIMENSIONS

Voltage (Code)		4V		6.3V		10V		16V	
Cap.( $\mu$ 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 5	18
22	226	4 x 5	22	4 x 5	22	5 x 5	27	5 x 5	30
33	336	5 x 5	30	5 x 5	30	5 x 5	35	6.3 x 5(5x5)	40
47	476	5 x 5	36	5 x 5	36	6.3 x 5(5x5)	46	6.3 x 5(5x5)	50
100	107	6.3 x 5(5x5)	60	6.3 x 5(5x5)	60	6.3 x 5(5x5)	68	6.3 x 5	65

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

Case Size  $\phi$ D x L(mm)

Voltage (Code)		25V		35V		50V			
Cap.( $\mu$ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current		
0.1	104					4 x 5	1.0		
0.22	224					4 x 5	2.6		
0.33	334					4 x 5	3.2		
0.47	474					4 x 5	3.8		
1	105					4 x 5	6.2		
2.2	225			4 x 5	7	4 x 5	11		
3.3	335			4 x 5	11	4 x 5	14		
4.7	475	4 x 5	13	4 x 5	15	5 x 5	19		
10	106	5 x 5(4x5)	23	5 x 5	25	6.3 x 5	30		
22	226	6.3 x 5(5x5)	38	6.3 x 5(5x5)	48				
33	336	6.3 x 5	48	6.3x5	52				
47	476	6.3x5	58						
100	107	8x5	68						

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

Case Size  $\phi$ D x L(mm)

SKF Miniature Aluminum Electrolytic Capacitors