

SSS SERIES 7(9)mmL高, -40°C~+85°C

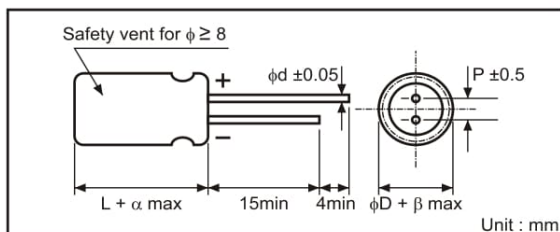
- This series is for communication equipments, switching power supply, industrial measuring instruments, automotive electric products, etc.



◆ SPECIFICATIONS

Item	Performance Characteristics																					
Operating temperature range	-40 to +85°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 $3(\mu A)$ after 5 minutes application of rated working voltage at +20°C																					
Dissipation Factor $\tan \delta(120Hz, +20^\circ C)$	<table border="1"> <thead> <tr> <th>Working Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>$\tan \delta(\max)$</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Working Voltage(V)	6.3	10	16	25	35	50	$\tan \delta(\max)$	0.24	0.20	0.16	0.14	0.12	0.10							
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◆ CASE SIZE TABLE



ΦD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	0.45
α	1.5			
β	0.5			

◆ RIPPLE CURRENT MULTIPLIER

(1) Frequency Coefficient

cap(μf) \ freq. (Hz)	50	120	300	1k	10k~
≤ 47	0.75	1.00	1.35	1.57	2.00
56~470	0.80	1.00	1.23	1.34	1.50

(2) Temperature Coefficient

Temperatu	~55	65	70	85
FACTOR	1.65	1.50	1.30	1.00

SSS

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◆ DIMENSIONS

Voltage	6.3V		10V		16V		25V	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10					4*7	28	4*7	28
22	4*7	34	4*7	35	4*7	39	4*7	39
							5*7	48
33	4*7	40	4*7	43	(4)5*7	(45)59	5*7	58
47	4*7	48	(4)5*7	45(59)	4*7	58	5*7	67
					5*7	65	6.3*7	71
68			5*7	65	5*7	76	6.3*7	78
100	4*7	65	(5)6.3*7	(74)87	5*7	84	6.3*7	100
					5*7	78	6.3*7	98
	8*7	110						
220	5*7	96	6.3*7	138	6.3*7	132	8*9	150
	6.3*7	120	8*7	145	8*7(9)	172(200)		
330	6.3*7	108	8*7(9)	201(230)				
	8*7(9)	180(204)						
470	8*7(9)	215(243)						

Maximum Allowable Ripple Current (mA rms) at 85°C 120Hz

Case Size ΦD X L (mm)

Voltage	35V		50V					
Cap(μF)	Size	Ripple	Size	Ripple				
0.1			4*7	1.0				
0.22			4*7	2.3				
0.33			4*7	3.5				
0.47			4*7	5.0				
1			4*7	10				
2.2			4*7	19				
3.3			4*7	24				
4.7	4*7	24	4*7	29				
10	4*7	30	4*7	34				
	5*7	38	5*7	38				
22	5*7	52	6.3*7	58				
	6.3*7	61						
33	6.3*7	65	6.3*7	70				
	8*7	74	8*7	75				
47	6.3*7	76	8*7(9)	101(107)				
	8*7(9)	85(96)						
100	8*9	115						

Maximum Allowable Ripple Current (mA rms) at 85°C 120Hz

Case Size ΦD X L (mm)