

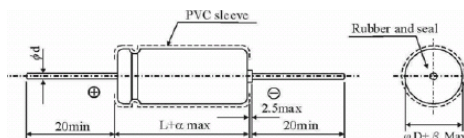
ALUMINUM ELECTROLYTIC CAPACITORS (105°C AXIAL) - SA SERIES (DIP) 臥式電解電容

▲ 105°C 1000 hours for general purpose capacitors.

LEAD SPACING AND DIAMETER

Unit:mm

ϕD	5	6	8	10	13	16	18	22	25
ϕd	0.50	0.50	0.50	0.60	0.6	0.8	0.8	0.8	0.8
α	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
β	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0



▲ DIMENSION&PERMISSIBLE RIPPLE CURRENT DxL : mm Ripple Current : mA / rms at 120Hz, 105°C

V.DC μF	10V		16V		25V		35V		50V		63V		100V	
	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA
0.47									6x13	8	6x13	8	6x13	10
1.0									6x13	12	6x13	12	6x13	14
2.2									6x13	18	6x13	20	6x13	22
3.3									6x13	23	6x13	24	6x13	27
4.7									6x13	27	6x13	29	6x13	34
10					6x13	40	6x13	40	6x13	40	6x13	48	8x16	58
22			6x13	43	6x13	48	6x13	59	6x13	62	6x13	81	8x16	100
33	6x13	48	6x13	58	6x13	65	6x13	69	8x16	88	8x16	99	8x20	135
47	6x13	60	6x13	73	6x13	77	6x13	105	8x16	115	8x16	138	10x21	150
100	6x13	98	6x13	102	8x13	140	8x16	205	8x16	252	10x21	280	13x21	300
220	8x13	170	8x13	220	8x16	260	10x21	305	10x21	320	13x21	394	16x28	505
330	8x16	243	8x16	250	10x21	320	10x21	350	13x21	415	13x21	505	16x33	660
470	8x16	315	8x16	385	10x21	420	13x21	530	13x21	640	13x27	715	18x36	875
1000	10x21	480	10x21	615	10x21	760	13x24	820	16x33	955	16x36	1150	22x43	
2200	13x21	940	13x24	1000	16x28	1050	16x32	1165	18x36	1680	20x36	1980		
3300	13x27	1150	16x28	1340	16x33	1500	18x33	1800	22x43	2080	22x42			
4700	16x28	1400	16x33	1580	18x36	1980	20x36	2100	22x43	2380	25x54			

V.DC μF	160V		200V		250V		350V		400V		450V	
	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA	ϕ DxL	mA
0.47												
1.0	6x13	10	6x16	10	6x16	11	8x16	11	8x16	15		
2.2	8x16	16	8x16	16	8x16	21	10x16	21	10x17	23		
3.3	8x16	26	10x16	26	10x16	26	10x16	26	10x21	36		
4.7	8x16	29	10x16	29	10x16	29	10x21	29	13x22	46		
10	10x21	44	10x21	48	10x21	80	13x21	84	13x24	82		
22	13x21	78	13x21	78	13x27	86	16x28	86	16x34	154		
33	13x21	105	13x27	116	16x34	116	16x34	116	18x36	201		
47	13x27	175	16x34	238	16x34	238	18x36	285	18x36	304		
100	16x33	345	18x36	368	18x36	391	20x36	402	22x43	448		
220	18x36	586	22x43	609	22x43	632						

▲ SPECIFICATIONS

Items	Performance															
Operating Temperature Range	- 40°C ~ + 105°C															
Capacitance Tolerance	±20% (at 120Hz, 20°C)															
Leakage Current (at 20°C)	Rated Voltage	≤ 100V				> 100V										
	Time	after 2 minutes				after 5 minutes										
	Leakage Current	I= 0.02CV or 3(μA) whichever is greater				CV ≤ 1000 I= 0.03CV + 15(μA)				CV > 1000 I= 0.02CV + 25(μA)						
Where, C=rated capacitance in μF . V=rated DC working voltage in V.																
Dissipation Factor (Tan δ at 120Hz, 20°C)	Rated Voltage	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
	Tan δ (max)	0.23	0.2	0.17	0.12	0.12	0.10	0.09	0.08	0.12	0.14	0.17	0.2	0.24	0.24	
Low Temperature Characteristics(at 120Hz)	Impedance ratio shall not exceed the values given in the table below.															
	Rated Voltage	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
	Impedance Ratio	Z(- 25°C) $\phi D < 16$	6	4	3	3	2	2	2	2	3	6	8	12	14	16
		Z(+20°C) $\phi D \geq 16$	8	6	4	4	3	3	3	3	3	6	8	12	14	16
	Z(- 40°C) $\phi D < 16$	10	8	6	6	4	3	3	3	4	8	10				
	Z(+20°C) $\phi D \geq 16$	18	16	12	10	8	8	6	6	4	8	10				
Load Life Test	Test Time	1000 Hrs														
	Capacitance Change	Within ± 20% of initial value														
	Dissipation Factor	Less than 200% of specified value														
	Leakage Current	Within specified value														
* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 1000 hrs at 105°C.																

ORDER: SA 10U 50V 6x13 DIP