

Aluminum Electrolytic Capacitors



Snap-In Standard and High Voltage 105°C

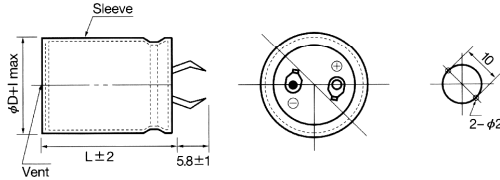
SLUT, SLUTHV Series

- The usage as same as SL series
- Used in video, OA equipment, power supply as a filter which have a higher ripple current and temperature (105°C)

SPECIFICATION

ITEM	SPECIFICATION															
Capacitance Tolerance (120Hz 20°C)	±20%(M)															
Rated Working Voltage	(SLUT) 10WV~100WV								(SLUTHV) 160WV~400WV							
Operation Temperature Range	-40 ~ +105°C								-25 ~ +105°C							
Surge Voltage(V) (20°C)	WV	10	16	25	35	50	63	80	100	160	180	200	250	315	350	400
	SV	13	20	32	44	63	79	100	125	200	225	250	300	365	400	450
Leakage Current (20°C)	I ≤ 0.02CV or 3mA Whichever is greater															
	After applied rated voltage for 5 minutes Where I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)															
Dissipation Factor (tan δ) (120Hz 20°C)	Dissipation factor at 20°C, 120Hz shall not exceed the values showed in the table of standard rating															
	Add 0.02 per 1000μF for more than 1000 μF															
Load Life	After 2000 hours application of W.V. at 105°C, the capacitor shall meet the following limits.															
	Capacitance Change												≤ ±20% of Initial Value			
	Dissipation Factor												≤ 200% of Initial Specified Value			
	Leakage Current												≤ Initial Specified Value			
Shelf Life	After 500 hours to place at 105°C without rated voltage applied, the capacitor shall meet the limits as same as load life.															
Others	Satisfied JIS C-5141															

DIMENSIONS (unit:mm)



RIPPLE CURRENT COEFFICIENTS

Frequency Multipliers

Freq.(Hz)	50	60	120	400	1K	2.4K	5K	10K ~
Coefficient	0.80	0.85	1.00	1.14	1.23	1.30	1.36	1.40

Temperature Multipliers

Temp.(°C)	40	45	50	55	60	65	70	75	80	85	105
Coefficient	2.32	2.21	2.10	1.98	1.85	1.72	1.57	1.40	1.22	1.00	0.85

at120Hz

10 VDC						16 VDC						25 VDC							
CAP. Code	CAP. (μF)	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL		
392	3900									0.136	1.40	40	22x25						
472	4700									0.112	1.55	40	22x30						
562	5600									0.094	1.75	40	22x30	25x25					
682	6800					0.097	1.60	50	22x25	0.078	1.95	40	22x35	25x30					
822	8200					0.080	1.80	50	22x30	25x25	0.064	2.20	40	22x40	25x35	30x25			
103	10000	0.066	1.60	50	22x25	0.066	2.05	50	22x35	25x30	0.053	2.50	40	22x45	25x40	30x30			
123	12000	0.055	1.80	50	22x30	25x25	0.055	2.30	50	22x40	25x30	30x25	0.044	2.80	40	22x50	25x45	30x35	35x25
153	15000	0.044	2.05	50	22x35	25x30	0.044	2.65	50	22x45	25x35	30x30	0.035	3.20	40	25x50	30x40	35x30	
183	18000	0.044	2.30	50	22x40	25x30	30x25	0.036	3.00	50	22x50	25x40	30x30	35x25	0.036	3.60	40	30x45	35x35
223	22000	0.036	2.65	50	22x45	25x35	30x30	0.030	3.40	50	25x45	30x35	35x30	0.030	4.05	40	30x50	35x40	
273	27000	0.029	3.00	50	25x40	30x30	35x25	0.029	3.85	50	30x40	35x35	0.029	4.65	40			35x45	
333	33000	0.024	3.40	50	25x45	30x35	35x30	0.024	4.35	50	30x50	35x40							
393	39000	0.023	3.75	50	25x50	30x40	35x30	0.023	4.85	50	35x45								
473	47000	0.019	4.20	60	30x45	35x35	0.019	5.45	50	35x50									
563	56000	0.018	4.70	60	35x40														
683	68000	0.015	5.30	60	35x50														



Aluminum Electrolytic Capacitors

Snap-In Standard and High Voltage 105°C

at 120Hz

35VDC							50 VDC							63 VDC							
CAP Code	CAP (μF)	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL			ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL			ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL				
122	1200												0.276	1.15	25	22x25					
152	1500						0.265	1.20	30	22x25			0.221	1.35	25	22x30	25x25				
182	1800						0.221	1.35	30	22x30			0.184	1.50	25	22x35	25x30				
222	2200						0.180	1.50	30	22x30	25x25		0.150	1.70	25	22x40	25x30	30x25			
272	2700	0.172	1.25	35	22x25		0.147	1.75	30	22x35	25x30		0.122	1.95	25	22x45	25x35	30x30			
332	3300	0.140	1.40	35	22x30		0.120	1.95	30	22x40	25x30	30x25	0.100	2.20	25		25x40	30x30	35x25		
392	3900	0.119	1.60	35	22x30		0.102	2.20	30	22x45	25x35	30x30	0.085	2.45	25		25x45	30x35	35x30		
472	4700	0.098	1.80	35	22x35	25x25	0.084	2.45	30	22x50	25x40	30x30	35x25	0.070	2.75	25		25x50	30x40	35x30	
562	5600	0.082	2.00	35	22x40	25x30	0.071	2.75	30		25x45	30x35	35x30	0.059	3.10	25			30x45	35x35	
682	6800	0.068	2.30	35	22x45	25x35	0.058	3.10	30			30x40	35x30	0.048	3.45	25			30x50	35x40	
822	8200	0.056	2.60	35	22x50	25x40	0.048	3.50	30			30x45	35x35	0.040	3.85	25				35x45	
103	10000	0.053	2.95	35		25x45	30x35	35x30	0.046	4.00	30										
123	12000	0.044	3.30	35		25x50	30x40	35x30	0.038	4.45	30										
153	15000	0.035	3.75	35			30x45	35x35													
183	18000	0.029	4.20	35				30x40													
223	22000	0.024	4.80	35				35x50													
80 VDC							100 VDC							160VDC							
CAP Code	CAP (μF)	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL			ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL			ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL				
271	270												0.737	0.95	15	22x25					
331	330												0.603	1.10	15	22x30					
391	390												0.510	1.20	15	22x30	25x25				
471	470												0.423	1.35	15	22x35	25x30				
561	560						0.473	1.05	20	22x25			0.355	1.50	15	22x40	25x30	30x25			
681	680						0.390	1.15	20	22x30			0.292	1.65	15	25x45	25x35	30x30			
821	820	0.323	1.05	20	22x25		0.323	1.30	20	22x30	25x25		0.242	1.90	15	25x50	25x40	30x30	35x25		
102	1000	0.265	1.20	20	22x30		0.265	1.50	20	22x35	25x30		0.199	2.10	15		25x45	30x35	35x30		
122	1200	0.221	1.30	20	22x35	25x25	0.221	1.70	20	22x40	25x35	30x25	0.165	2.40	15			30x40	35x35		
152	1500	0.176	1.50	20	22x40	25x30	0.176	1.90	20	22x45	25x40	30x30	35x25	0.132	2.75	15			30x50	35x40	
182	1800	0.147	1.70	20	22x45	25x35	0.147	2.15	20		25x45	30x35	35x30	0.110	3.05	15				35x45	
222	2200	0.120	1.95	20		25x40	30x30	35x25	0.120	2.45	20		25x50	30x40	35x30	0.090	3.50	15			35x50
272	2700	0.098	2.20	20		25x45	30x35	35x30	0.098	2.80	20			30x45	35x35						
332	3300	0.080	2.50	20			30x40	35x35	0.080	3.15	20			30x50	35x40						
392	3900	0.068	2.75	20			30x45	35x35	0.068	3.50	20				35x45						
472	4700	0.056	3.10	20				35x40	0.056	3.80	20				35x50						
562	5600	0.047	3.45	20				35x50													

Aluminum Electrolytic Capacitors



Snap-In Standard and High Voltage 105°C

at 120Hz

180 VDC						200 VDC						250 VDC										
CAP Code	CAP (μF)	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL				ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL				ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL			
151	150														1.326	0.70	15	22x25				
181	180														1.105	0.80	15	22x30				
221	220								0.904	0.85	15	22x25			0.904	0.90	15	22x30	25x25			
271	270	0.737	0.95	15	22x25				0.737	0.95	15	22x30			0.737	1.00	15	22x35	25x30	30x25		
331	330	0.603	1.10	15	22x30				0.603	1.10	15	22x30	25x25		0.603	1.15	15	22x40	25x30	30x25		
391	390	0.510	1.20	15	22x35	25x25			0.510	1.20	15	22x35	25x30		0.510	1.25	15	22x45	25x35	30x30		
471	470	0.423	1.35	15	22x40	25x30			0.423	1.35	15	22x40	25x30	30x25	0.423	1.40	15	22x50	25x40	30x30	35x25	
561	560	0.355	1.50	15	22x45	25x35	30x25		0.355	1.50	15	22x45	25x35	30x30	0.355	1.60	15		25x45	30x35	35x30	
681	680	0.292	1.65	15	22x50	25x40	30x30	35x25	0.292	1.65	15		25x40	30x30	35x25	0.292	1.80	15		25x50	30x40	35x35
821	820	0.242	1.90	15		25x45	30x35	35x30	0.242	1.90	15		25x50	30x35	35x30	0.242	2.00	15			30x45	35x35
102	1000	0.199	2.10	15		25x30	30x40	35x30	0.199	2.10	15			30x45	35x35	0.199	2.30	15				35x40
122	1200	0.165	2.40	15			30x45	35x35	0.165	2.40	15			30x50	35x40	0.165	2.55	15				35x50
152	1500	0.132	2.75	15				35x40	0.132	2.75	15				35x45							
182	1800	0.110	3.05	15				35x50														
315 VDC						350 VDC						400 VDC										
CAP Code	CAP (μF)	ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL				ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL				ESR 20°C (Ω)	R.C. 105°C (A)	D.F. 20°C (%)	DIMENSIONS(mm) ØDXL			
680	68														4.878	0.50	15	22x25				
820	82	3.236	0.05	15	22x25				3.236	0.55	15	22x25			4.045	0.55	15	22x30	25x25			
101	100	2.653	0.60	15	22x30				2.653	0.60	15	22x30	25x25		3.317	0.60	15	22x35	25x25	22x36		
121	120	2.211	0.65	15	22x30	25x25			2.211	0.70	15	22x35	25x30		2.764	0.70	15	22x40	25x30	30x25		
151	150	1.769	0.75	15	22x35	25x30			1.769	0.80	15	22x40	25x30	30x25	2.211	0.80	15	22x45	25x35	30x30	35x25	
181	180	1.474	0.85	15	22x40	25x30	30x25		1.474	0.90	15	22x45	25x35	30x30	1.843	0.90	15	25x50	25x40	30x30	35x25	
221	220	1.206	0.95	15	22x45	25x35	30x30		1.206	1.00	15	22x50	25x40	30x30	35x25	1.507	1.00	15	30x30	25x45	30x35	35x30
271	270	0.982	1.05	15		25x45	30x35	35x25	0.982	1.15	15		25x45	30x35	35x30	1.228	1.15	15		25x50	30x40	35x30
331	330	0.804	1.20	15		25x50	30x40	35x30	0.804	1.30	15			30x40	35x35	1.005	1.30	15			30x45	35x35
391	390	0.680	1.35	15			30x45	35x35	0.680	1.45	15			30x45	35x40	0.850	1.45	15			30x50	35x40
471	470	0.564	1.50	15			30x50	35x40	0.564	1.65	15				35x45	0.705	1.65	15				35x45
561	560	0.473	1.70	15				35x45	0.473	1.85	15				35x50							
681	680	0.390	1.90	15				35x50														