LA5 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA®

PCB Snap-In Miniaturized Capacitors

GREEN CAP

- 20mm-tall products for every diameter of φ22 to φ35 are now offered in series.
- As many as 4 case sizes available for the same rating.

Miniaturized, High ripple — Miniaturized, High ripple, Long life

LA5 ⇦ (LA4) ⇦ (LA3)

Marking color : White print on a black sleeve

Specifications

Item	Performance
Category temperature range (℃)	−40 to +85 (450V is at −25 to +85)
Tolerance at rated capacitance (%)	±20 (20℃,120Hz)
Leakage current (μA)	Less than $3\sqrt{CV}$ (after 5 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20℃)

Tangent of loss angle (tanδ)

Rated voltage (V)	10	16	25	35	50	63 to 100
tanδ (max.)	0.80	0.60	0.50	0.40	0.30	0.20

tanδ (max.)	Rated voltage (V) / φD (mm)	160 to 250	315 to 450
	22 to 30	0.10	0.15
	35	0.15	0.15

(20℃,120Hz)

Characteristics at high and low temperature

Rated voltage (V)		10	16 to 35	50 to 100	160 to 200	250 to 400	450
Impedance ratio (max.)	Z−25℃/Z+20℃	5	4	3	3	4	4
	Z−40℃/Z+20℃	18	15	10	6	8	—

(120Hz)

Endurance (85℃) (Applied ripple current)

Test time	2000 hours
Leakage current	The initial specified value or less
Percentage of capacitance change	Within ±20% of initial value
Tangent of the loss angle	200% or less of the initial specified value

Shelf life (85℃)

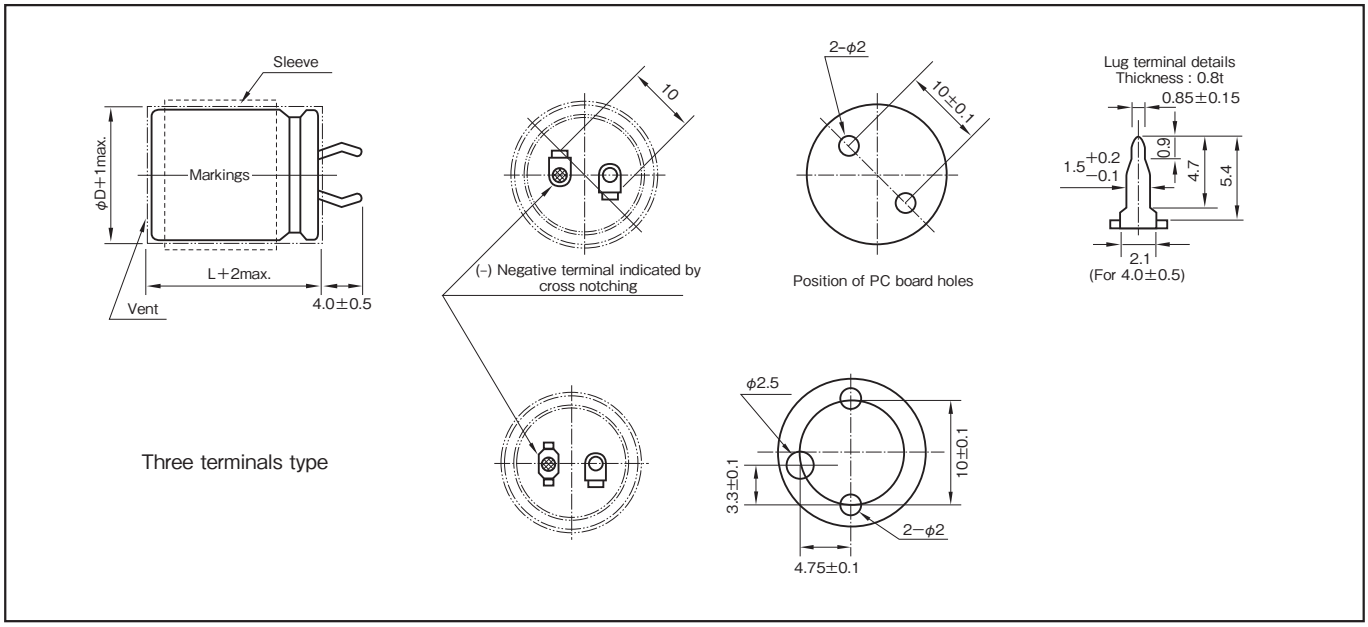
Test time	1000 hours
Leakage current	The initial specified value or less
Percentage of capacitance change	Within ±15% of initial value
Tangent of the loss angle	150% or less of the initial specified value

Voltage application treatment

Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)

Outline Drawing

Unit : mm



Part numbering system

series LA5, standard terminal type :400V330μF

LA5	400	V	331	M	S43	#	B
Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Optional symbol

series LT5, three terminals type :400V330μF

LT5	—	400	V	331	M	S43	#	B
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Optional symbol

Coefficient of Frequency for Rated Ripple Current

Rated voltage (V) \ Frequency (Hz)	50	120	1k	10k	20k
100 or less	0.95	1	1.10	1.15	1.15
160 to 250	0.81	1	1.32	1.45	1.50
315 or more	0.77	1	1.30	1.41	1.43

NOTE : Design, Specifications are subject to change without notice. It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

Standard Ratings

Case φD×L (mm)	Casing Symbol	Rated voltage (V)	10			16			25			35			50			63			80			100		
		Item	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current
			(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)
22×20	S21		8200	0.161	2.00	5600	0.177	1.90	3900	0.212	1.80	2700	0.245	1.60	1800	0.276	1.60	1500	0.221	1.70	1000	0.331	1.50	560	0.592	1.30
			10000	0.132	2.21	6800	0.146	2.09	4700	0.176	1.98	3300	0.201	1.77	2200	0.226	1.77	1800	0.184	1.86	1200	0.276	1.64	680	0.487	1.43
			12000	0.110	2.42	8200	0.121	2.30	5600	0.148	2.16	3900	0.170	1.92	2700	0.184	1.96	2200	0.150	2.06	—	—	—	820	0.404	1.57
22×25	S22		12000	0.110	2.50	8200	0.121	2.40	5600	0.148	2.30	3900	0.170	2.10	2700	0.184	2.10	2200	0.150	2.20	1500	0.221	1.90	820	0.404	1.70
			15000	0.088	2.80	10000	0.099	2.65	6800	0.121	2.53	4700	0.141	2.31	3300	0.150	2.32	2700	0.122	2.44	1800	0.184	2.08	1000	0.331	1.88
			18000	0.073	3.06	12000	0.082	2.90	8200	0.101	2.78	5600	0.118	2.52	3900	0.127	2.52	—	—	—	—	—	—	1200	0.276	2.06
22×30	S23		15000	0.088	3.00	12000	0.082	3.00	8200	0.101	2.80	4700	0.141	2.40	3900	0.127	2.60	2700	0.122	2.50	1800	0.184	2.20	1200	0.276	2.10
			18000	0.073	3.29	15000	0.066	3.35	10000	0.082	3.09	5600	0.118	2.62	4700	0.105	2.85	3300	0.100	2.76	2200	0.150	2.43	1500	0.221	2.35
			22000	0.060	3.63	18000	0.055	3.67	12000	0.069	3.39	6800	0.097	2.89	5600	0.088	3.12	3900	0.085	3.00	2700	0.122	2.69	—	—	—
22×35	S24		22000	0.060	3.70	15000	0.066	3.40	10000	0.082	3.20	6800	0.097	2.90	4700	0.105	3.10	3300	0.100	2.90	2200	0.150	2.50	1500	0.221	2.50
			27000	0.049	4.10	18000	0.055	3.72	12000	0.069	3.51	8200	0.080	3.18	5600	0.088	3.38	3900	0.085	3.15	2700	0.122	2.77	1800	0.184	2.74
			33000	0.040	4.53	22000	0.045	4.12	15000	0.055	3.92	10000	0.066	3.52	6800	0.073	3.73	4700	0.070	3.46	3300	0.100	3.06	—	—	—
22×40	S25		27000	0.049	4.10	22000	0.045	4.31	15000	0.055	4.14	8200	0.080	3.30	6800	0.073	3.75	4700	0.070	3.62	3300	0.100	3.10	1800	0.184	2.80
			33000	0.040	4.54	27000	0.036	4.78	18000	0.046	4.53	10000	0.066	3.64	8200	0.060	4.11	5600	0.059	3.95	3900	0.085	3.37	2200	0.150	3.10
			39000	0.034	4.93	—	—	—	—	—	—	12000	0.055	3.99	—	—	—	—	—	—	—	—	—	—	—	—
22×45	S26		39000	0.034	5.17	27000	0.036	4.90	18000	0.046	4.62	12000	0.055	4.09	8200	0.060	4.21	5600	0.059	4.04	3900	0.085	3.48	2200	0.150	3.20
			—	—	—	33000	0.030	5.41	22000	0.037	5.11	15000	0.044	4.58	10000	0.049	4.64	6800	0.048	4.45	4700	0.070	3.82	2700	0.122	3.55
22×50	S27		47000	0.028	5.85	33000	0.030	5.51	22000	0.037	5.21	15000	0.044	4.78	10000	0.049	4.73	6800	0.048	4.52	4700	0.070	3.95	2700	0.122	3.70
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8200	0.040	4.96	—	—	—	3300	0.100	4.09
25×20	S31		12000	0.110	2.50	8200	0.121	2.30	5600	0.148	2.20	3900	0.170	2.00	2700	0.184	2.10	1800	0.184	2.00	1200	0.276	1.70	820	0.404	1.70
			15000	0.088	2.80	10000	0.099	2.54	6800	0.121	2.42	4700	0.141	2.20	3300	0.150	2.32	2200	0.150	2.21	1500	0.221	1.90	1000	0.331	1.88
			18000	0.073	3.06	12000	0.082	2.78	8200	0.101	2.66	5600	0.118	2.40	3900	0.127	2.52	2700	0.122	2.45	1800	0.184	2.08	1200	0.276	2.06
25×25	S32		18000	0.073	3.20	12000	0.082	2.90	8200	0.101	2.80	5600	0.118	2.60	3900	0.127	2.60	2700	0.122	2.30	1800	0.184	2.20	1200	0.276	2.10
			22000	0.060	3.54	15000	0.066	3.24	10000	0.082	3.09	6800	0.097	2.87	4700	0.105	2.85	3300	0.100	2.54	2200	0.150	2.43	1500	0.221	2.35
			27000	0.049	3.92	18000	0.055	3.55	12000	0.069	3.39	8200	0.080	3.15	5600	0.088	3.12	3900	0.085	2.76	2700	0.122	2.69	—	—	—
25×30	S33		22000	0.060	3.70	15000	0.066	3.40	10000	0.082	3.20	6800	0.097	2.90	4700	0.105	3.00	3900	0.085	3.20	2200	0.150	2.50	1500	0.221	2.50
			27000	0.049	4.10	18000	0.055	3.72	12000	0.069	3.51	8200	0.080	3.18	5600	0.088	3.27	4700	0.070	3.51	2700	0.122	2.77	1800	0.184	2.74
			33000	0.040	4.53	22000	0.045	4.12	15000	0.055	3.92	10000	0.066	3.52	6800	0.073	3.61	5600	0.059	3.83	3300	0.100	3.06	2200	0.150	3.03
25×35	S34		33000	0.040	4.64	22000	0.045	4.31	15000	0.055	4.14	10000	0.066	3.64	6800	0.073	3.75	4700	0.070	3.60	3300	0.100	3.10	1800	0.184	2.80
			39000	0.034	5.05	27000	0.036	4.78	18000	0.046	4.53	12000	0.055	3.99	8200	0.060	4.11	5600	0.059	3.93	3900	0.085	3.37	2200	0.150	3.10
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6800	0.048	4.33	—	—	—	2700	0.122	3.43
25×40	S35		39000	0.034	5.22	27000	0.036	4.87	18000	0.046	4.60	12000	0.055	4.16	8200	0.060	4.17	6800	0.048	4.41	3900	0.085	3.50	2700	0.122	3.55
			47000	0.028	5.73	33000	0.030	5.39	22000	0.037	5.09	15000	0.044	4.65	10000	0.049	4.61	8200	0.040	4.84	4700	0.070	3.84	3300	0.100	3.92
25×45	S36		47000	0.028	5.93	27000	0.036	5.00	22000	0.037	5.20	15000	0.044	4.81	10000	0.049	4.75	8200	0.040	5.05	4700	0.070	4.19	3300	0.100	3.98
			56000	0.023	6.47	33000	0.030	5.53	27000	0.030	5.76	18000	0.036	5.27	12000	0.041	5.20	10000	0.033	5.58	5600	0.059	4.57	3900	0.085	4.33
			—	—	—	39000	0.025	6.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25×50	S37		56000	0.023	6.55	39000	0.025	6.27	27000	0.030	5.98	18000	0.036	5.37	12000	0.041	5.37	10000	0.033	5.82	5600	0.059	4.37	3900	0.085	4.46
			68000	0.019	7.22	47000	0.021	6.88	33000	0.025	6.61	22000	0.030	5.93	15000	0.033	6.00	—	—	—	6800	0.048	4.81	—	—	—
30×20	S41		18000	0.073	3.30	12000	0.082	3.00	8200	0.101	2.90	5600	0.118	2.60	3900	0.127	2.70	2700	0.122	2.60	1800	0.184	2.20	1200	0.276	2.20
			22000	0.060	3.65	15000	0.066	3.35	10000	0.082	3.20	6800	0.097	2.87	4700	0.105	2.96	3300	0.100	2.87	2200	0.150	2.43	1500	0.221	2.46
			27000	0.049	4.04	18000	0.055	3.67	12000	0.069	3.51	8200	0.080	3.15	5600	0.088	3.24	3900	0.085	3.12	2700	0.122	2.69	1800	0.184	2.69
30×25	S42		27000	0.049	4.20	18000	0.055	3.90	12000	0.069	3.70	8200	0.080	3.30	5600	0.088	3.40	3900	0.085	3.30	2700	0.122	2.90	1800	0.184	2.80
			33000	0.040	4.64	22000	0.045	4.31	15000	0.055	4.14	10000	0.066	3.64	6800	0.073	3.75	4700	0.070	3.62	3300	0.100	3.21	2200	0.150	3.10
			39000	0.034	5.05	27000	0.036	4.78	18000	0.046	4.53	12000	0.055	3.99	8200	0.060	4.11	5600	0.059	3.95	3900	0.085	3.49	—	—	—
30×30	S43		33000	0.040	4.90	22000	0.045	4.40	15000	0.055	4.30	10000	0.066	3.80	6800	0.073	3.90	5600	0.059	4.10	3900	0.085	3.60	2200	0.150	3.20
			39000	0.034	5.33	27000	0.036	4.87	18000	0.046	4.71	12000	0.055	4.16	8200	0.060	4.28	6800	0.048	4.52	4700	0.070	3.95	2700	0.122	3.55
			47000	0.028	5.85	33000	0.030	5.39	22000	0.037	5.21	15000	0.044	4.65	10000	0.049	4.73	8200	0.040	4.96	—	—	—	3300	0.100	3.92
30×35	S44		47000	0.028	6.04	33000	0.030	5.64	22000	0.037	5.31	15000	0.044	4.81	8200	0.060	4.40	6800	0.048	4.60	4700	0.070	4.00	2700	0.122	3.70
			56000	0.023	6.59	39000	0.025	6.13	27000	0.030	5.88	18000	0.036	5.27	10000	0.049	4.86	8200	0.040	5.05	5600	0.059	4.37	3300	0.100	4.09
			—	—	—	—	—	—	—	—	—	—	—	—	12000	0.041	5.32	10000	0.033	5.58	—	—	—	3900	0.085	4.45
30×40	S45		56000	0.023	6.66	39000	0.025	6.31	27000	0.030	6.09	18000	0.036	5.48	12000	0.041	5.48	10000	0.033	5.74	5600	0.059	4.50	3900	0.085	4.57
			68000	0.019	7.34	47000	0.021	6.92	33000	0.025	6.74	22000	0.030	6.06	15000	0.033	6.12	12000	0.027	6.29	6800	0.048	4.96	4700	0.070	5.01
30×45	S46		68000	0.019	7.60	47000	0.021	7.03	33000	0.025	6.85	22000	0.030	6.19	15000	0.033	6.26	12000	0.027	6.46	6800	0.048	5.10	4700	0.070	5.16
			82000	0.016	8.35	56000	0.017	7.67	39000	0.021	7.45	27000	0.024	6.86	18000	0.027	6.86	15000	0.022	7.23	8200	0.040	5.60	5600	0.059	5.63
30×50	S47		82000	0.016	8.46	56000	0.017	7.86	39000	0.021	7.61	27000	0.024	6.98	18000	0.027	7.01	15000	0.022	7.52	8200	0.040	5.83	5600	0.059	5.68
			100000	0.013	9.34	68000	0.014	8.66	47000	0.017	8.35	33000	0.020	7.72	22000	0.022	7.75	—	—	—	10000	0.033	6.44	6800	0.048	6.25
35×20	S51		22000	0.060	3.90	15000	0.066	3.70	10000	0.082	3.50	6800	0.097	3.10	4700	0.105	3.20	3900	0.085	3.40	2700	0.122	3.00	1500	0.221	2.70
			27000	0.049	4.32	18000	0.055	4.05	12000	0.069	3.83	8200	0.080	3.40	5600	0.088	3.49	4700	0.070	3.73	3300	0.100	3.32	1800	0.184	2.96
			33000	0.040	4.78	22000	0.045	4.48	15000	0.055	4.29	10000	0.066	3.76	6800	0.073	3.85	5600	0.059	4.07	—	—	—	2200	0.150	3.27
35×25	S52		33000	0.040	5.00	22000	0.045	4.60	15000	0.055	4.40	10000	0.066	4.00	6800	0.073	4.00	5600	0.059	4.20	3900	0.085	3.70	2200	0.150	3.40
			39000	0.034	5.44	27000	0.036	5.10	18000	0.046	4.82	12000	0.055	4.38	8200	0.060	4.39	6800	0.048	4.63	4700	0.070	4.06	2700	0.122	3.77
			47000	0.028	5.97	33000	0.030	5.63	22000	0.037	5.33	15000	0.044	4.90	10000	0.049	4.85	8200	0.040	5.08	—	—	—	3300	0.100	4.16
35×30	S53		47000	0.028	6.20	33000	0.030	5.80	22000	0.037	5.50	15000	0.044	5.00	10000	0.049	5.00	6800	0.048	4.80	4700	0.070	4.20	3300	0.100	4.30
			56000	0.023	6.77	39000	0.025	6.31	27000	0.030	6.09	18000	0.036	5.48	12000	0.041	5.48	8200	0.040	5.27	5600	0.059	4.58	3900	0.085	4.67
			68000	0.019	7.46	47000	0.021	6.92	33000	0.025	6.74	22000	0.030	6.06	15000	0.033	6.12	10000	0.033	5.82	6800	0.048	5.05	4700	0.070	5.13
35×35	S54		56000	0.023	7.00	39000	0.025	6.50	27000	0.030	6.30	18000	0.036	5.70	12000	0.041	5.70	10000	0.033	6.07	5600	0.059	4.70	3900	0.085	4.80
			68000	0.019	7.71	47000	0.021	7.14	33000	0.025	6.96	22000	0.030	6.30	15000	0.033	6.37	12000	0.027	6.65	6800	0.048	5.18	4700	0.070	5.27
			82000	0.016	8.47	56000	0.017	7.79	39000	0.021	7.57	27000	0.024	6.98	18000	0.027	6.98	—	—	—	8200	0.040	5.69	5600	0.059	5.75
35×40	S55		82000	0.016	8.68	56000	0.017	8.08	39000	0.021	7.83	27000	0.024	7.09	18000	0.027	7.12	12000	0.027	6.79	8200	0.040	5.82	5600	0.059	5.89
			100000	0.013	9.58	68000	0.014	8.90	47000	0.017	8.59	33000	0.020	7.84	22000	0.022	7.87	15000	0.022	7.59	10000	0.033	6.43	6800	0.048	6.50
35×45	S56		120000	0.011	10.80	68000	0.014	9.04	47000	0.017	8.78	33000	0.020	7.87	22000	0.022	8.07	15000	0.022	7.71	10000	0.033	6.63	6800	0.048	6.61
			—	—	—	82000	0.012	9.92	56000	0.014	9.59	39000	0.017	8.56	27000	0.018	8.94	18000	0.018	8.45	12000	0.027	7.26	8200	0.040	7.26
35×50	S57		100000	0.013	10.20	82000	0.012	10.30	56000	0.014	9.96	39000	0.017	8.89	27000	0.018	9.29	18000	0.018	8.65	12000	0.027	7.45	8200	0.040	7.55
			120000	0.011	11.20	100000	0.009	11.40	68000	0.012	11.00	—	—	—	33000	0.015	10.30	22000	0.015	9.57	—	—	—	—	—	—
			150000	0.008	12.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 85℃, 120Hz ; ESR. : 20℃, 120Hz

• The standard ratings follow the next page.

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

LA5 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA®

Standard Ratings

Case φD×L (mm)	Casing Symbol	Rated voltage (V) / Item	160			180			200			250			315			350			400			450		
			Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current	Rated capacitance	ESR	Rated ripple current
			(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)	(μF)	(Ω)	(Arms)
22×20	S21		270	0.614	1.49	220	0.753	1.34	220	0.753	1.34	150	1.105	1.10	100	2.488	0.90	82	3.034	0.81	82	3.034	0.90	68	3.658	0.82
			330	0.502	1.65	270	0.614	1.49	270	0.614	1.49	180	0.921	1.21	120	2.073	0.99	100	2.488	0.90	100	2.488	0.99	82	3.034	0.90
			390	0.425	1.79	330	0.502	1.64	330	0.502	1.64	220	0.753	1.34	150	1.658	1.11	120	2.073	0.99	120	2.073	1.09	100	2.488	0.99
22×25	S22		390	0.425	1.93	330	0.502	1.77	330	0.502	1.77	220	0.753	1.44	150	1.658	1.20	120	2.073	1.07	100	2.488	1.07	82	3.034	0.97
			470	0.352	2.12	390	0.425	1.92	390	0.425	1.92	270	0.614	1.60	180	1.382	1.31	150	1.658	1.20	120	2.073	1.17	100	2.488	1.07
			560	0.296	2.31	470	0.352	2.11	470	0.352	2.11	330	0.502	1.77	220	1.130	1.45	180	1.382	1.31	150	1.658	1.31	120	2.073	1.17
22×30	S23		560	0.296	2.43	470	0.352	2.23	470	0.352	2.23	330	0.502	1.87	180	1.382	1.38	150	1.658	1.26	150	1.658	1.39	120	2.073	1.23
			680	0.243	2.68	560	0.296	2.43	560	0.296	2.43	390	0.425	2.03	220	1.130	1.53	180	1.382	1.37	180	1.382	1.52	150	1.658	1.38
			820	0.202	2.94	680	0.243	2.68	680	0.243	2.68	470	0.352	2.23	270	0.921	1.69	220	1.130	1.52	220	1.130	1.68	180	1.382	1.52
22×35	S24		680	0.243	2.70	560	0.296	2.45	560	0.296	2.44	390	0.425	2.04	270	0.921	1.70	220	1.130	1.53	180	1.382	1.53	150	1.658	1.42
			820	0.202	2.96	680	0.243	2.70	680	0.243	2.69	470	0.352	2.24	330	0.753	1.88	270	0.921	1.70	220	1.130	1.69	180	1.382	1.56
			1000	0.165	3.27	820	0.202	2.96	820	0.202	2.96	560	0.296	2.44	390	0.637	2.04	—	—	—	270	0.921	1.87	220	1.130	1.72
22×40	S25		1000	0.165	3.43	820	0.202	3.11	820	0.202	3.11	560	0.296	2.57	330	0.753	1.97	270	0.921	1.78	270	0.921	1.96	220	1.130	1.77
			1200	0.138	3.76	—	—	—	1000	0.165	3.43	680	0.243	2.83	390	0.637	2.14	330	0.753	1.97	330	0.753	2.17	270	0.921	1.96
			—	—	—	—	—	—	—	—	—	—	—	—	470	0.529	2.35	—	—	—	—	—	—	—	—	—
22×45	S26		1200	0.138	3.96	1000	0.165	3.61	1000	0.165	3.61	680	0.243	2.98	470	0.529	2.48	390	0.637	2.26	270	0.921	2.06	270	0.921	2.07
			—	—	—	1200	0.138	3.96	—	—	—	820	0.202	3.27	560	0.444	2.70	—	—	—	330	0.753	2.28	—	—	—
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	390	0.637	2.48	—	—	—
22×50	S27		1500	0.110	4.60	1200	0.138	4.11	1200	0.138	4.11	820	0.202	3.40	560	0.444	2.81	330	0.753	2.15	390	0.637	2.58	330	0.753	2.37
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	390	0.637	2.34	—	—	—	—	—	—
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	470	0.529	2.57	—	—	—	—	—	—
25×20	S31		390	0.425	1.76	330	0.502	1.62	270	0.614	1.47	180	0.921	1.20	150	1.658	1.10	120	2.073	0.97	100	2.488	0.99	82	3.034	0.89
			470	0.352	1.93	390	0.425	1.76	330	0.502	1.62	220	0.753	1.33	180	1.382	1.20	150	1.658	1.09	120	2.073	1.08	100	2.488	0.98
			560	0.296	2.11	470	0.352	1.93	390	0.425	1.76	270	0.614	1.47	220	1.130	1.32	180	1.382	1.20	150	1.658	1.20	120	2.073	1.08
25×25	S32		560	0.296	2.43	470	0.352	2.23	390	0.425	2.03	330	0.502	1.87	180	1.382	1.38	180	1.382	1.38	150	1.658	1.39	120	2.073	1.24
			680	0.243	2.68	560	0.296	2.43	470	0.352	2.23	390	0.425	2.03	220	1.130	1.53	220	1.130	1.53	180	1.382	1.52	150	1.658	1.39
			820	0.202	2.95	680	0.243	2.68	560	0.296	2.43	470	0.352	2.23	270	0.921	1.69	270	0.921	1.69	220	1.130	1.68	180	1.382	1.52
25×30	S33		680	0.243	2.70	560	0.296	2.45	560	0.296	2.45	390	0.425	2.04	270	0.921	1.70	220	1.130	1.54	180	1.382	1.53	150	1.658	1.40
			820	0.202	2.96	680	0.243	2.70	680	0.243	2.70	470	0.352	2.24	330	0.753	1.88	270	0.921	1.70	220	1.130	1.69	180	1.382	1.53
			1000	0.165	3.27	820	0.202	2.96	820	0.202	2.96	560	0.296	2.44	390	0.637	2.04	330	0.753	1.88	270	0.921	1.87	220	1.130	1.69
25×35	S34		1000	0.165	3.47	820	0.202	3.14	680	0.243	2.86	560	0.296	2.60	330	0.753	1.96	330	0.753	2.00	270	0.921	1.98	220	1.130	1.79
			1200	0.138	3.80	1000	0.165	3.47	820	0.202	3.14	680	0.243	2.86	390	0.637	2.14	390	0.637	2.17	330	0.753	2.19	270	0.921	1.98
			—	—	—	—	—	—	1000	0.165	3.47	—	—	—	470	0.529	2.34	—	—	—	—	—	—	—	—	—
25×40	S35		1500	0.110	4.41	1000	0.165	3.60	1000	0.165	3.60	680	0.243	2.97	470	0.529	2.46	390	0.637	2.25	330	0.753	2.27	270	0.921	2.05
			—	—	—	1200	0.138	3.94	1200	0.138	3.94	820	0.202	3.26	560	0.444	2.69	470	0.529	2.47	390	0.637	2.47	330	0.753	2.27
25×45	S36		1200	0.138	4.13	1200	0.138	4.13	1200	0.138	4.13	820	0.202	3.42	680	0.365	3.11	470	0.529	2.58	390	0.637	2.59	330	0.753	2.38
			1800	0.092	5.06	1500	0.110	4.62	1500	0.110	4.62	1000	0.165	3.77	—	—	—	560	0.444	2.82	470	0.529	2.84	390	0.637	2.59
25×50	S37		1500	0.110	4.80	1500	0.110	4.80	1500	0.110	4.80	1000	0.165	3.92	560	0.444	2.93	560	0.444	2.93	470	0.529	2.96	390	0.637	2.69
			1800	0.092	5.26	1800	0.092	5.26	—	—	—	1200	0.138	4.29	680	0.365	3.23	680	0.365	3.23	560	0.444	3.23	—	—	—
			—	—	—	—	—	—	—	—	—	—	—	—	820	0.303	3.55	—	—	—	—	—	—	—	—	—
30×20	S41		560	0.296	2.11	470	0.352	1.94	470	0.352	1.94	330	0.502	1.63	220	1.130	1.33	180	1.382	1.20	150	1.658	1.21	100	2.488	0.98
			680	0.243	2.33	560	0.296	2.12	560	0.296	2.11	390	0.425	1.77	270	0.921	1.47	220	1.130	1.33	180	1.382	1.32	120	2.073	1.07
			820	0.202	2.56	680	0.243	2.33	680	0.243	2.33	470	0.352	1.94	330	0.753	1.62	270	0.921	1.47	220	1.130	1.46	150	1.658	1.20
30×25	S42		820	0.202	3.13	680	0.243	2.86	680	0.243	2.86	470	0.352	2.37	330	0.753	1.99	270	0.921	1.80	220	1.130	1.79	150	1.658	1.48
			1000	0.165	3.46	820	0.202	3.14	820	0.202	3.14	560	0.296	2.59	390	0.637	2.16	330	0.753	1.99	270	0.921	1.98	180	1.382	1.62
			1200	0.138	3.79	1000	0.165	3.46	1000	0.165	3.46	680	0.243	2.86	470	0.529	2.37	390	0.637	2.16	330	0.753	2.19	220	1.130	1.79
30×30	S43		1000	0.165	3.54	820	0.202	3.20	820	0.202	3.20	560	0.296	2.64	390	0.637	2.20	330	0.753	2.03	270	0.921	2.02	220	1.130	1.82
			1200	0.138	3.87	1000	0.165	3.53	1000	0.165	3.53	680	0.243	2.91	470	0.529	2.42	390	0.637	2.20	330	0.753	2.24	270	0.921	2.02
			1500	0.110	4.33	1200	0.138	3.87	1200	0.138	3.87	820	0.202	3.20	560	0.444	2.64	470	0.529	2.42	390	0.637	2.43	330	0.753	2.23
30×35	S44		1500	0.110	4.52	1200	0.138	4.04	1200	0.138	4.04	820	0.202	3.34	560	0.444	2.76	470	0.529	2.53	390	0.637	2.53	270	0.921	2.11
			1800	0.092	4.95	1500	0.110	4.52	1500	0.110	4.52	1000	0.165	3.69	680	0.365	3.04	560	0.444	2.76	470	0.529	2.78	330	0.753	2.34
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	560	0.444	3.04	390	0.637	2.54
30×40	S45		1800	0.092	5.14	1800	0.092	5.14	1500	0.110	4.69	1000	0.165	3.83	680	0.365	3.16	560	0.444	2.87	470	0.529	2.89	390	0.637	2.63
			2200	0.075	5.68	—	—	—	1800	0.092	5.14	1200	0.138	4.20	820	0.303	3.47	680	0.365	3.16	560	0.444	3.15	470	0.529	2.89
30×45	S46		2200	0.075	5.93	1500	0.110	4.90	1800	0.092	5.35	1200	0.138	4.38	820	0.303	3.62	680	0.365	3.30	560	0.444	3.29	470	0.529	3.01
			2700	0.061	6.57	1800	0.092	5.36	2200	0.075	5.92	1500	0.110	4.90	1000	0.248	4.00	820	0.303	3.62	680	0.365	3.63	560	0.444	3.29
			—	—	—	2200	0.075	5.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30×50	S47		2700	0.061	6.83	2200	0.075	6.17	2200	0.075	6.16	1500	0.110	5.08	1000	0.248	4.16	820	0.303	3.76	680	0.365	3.77	560	0.444	3.42
			—	—	—	2700	0.061	6.83	—	—	—	1800	0.092	5.57	1200	0.207	4.56	1000	0.248	4.15	820	0.303	4.14	—	—	—
35×20	S51		680	0.365	2.42	680	0.365	2.42	560	0.444	2.20	390	0.637	1.84	270	0.921	1.69	220	1.130	1.38	180	1.382	1.37	150	1.658	1.26
			820	0.303	2.66	820	0.303	2.66	680	0.365	2.42	470	0.529	2.02	330	0.753	1.87	270	0.921	1.53	220	1.130	1.52	180	1.382	1.37
			1000	0.248	2.94	1000	0.248	2.94	820	0.303	2.66	560	0.444	2.20	—	—	—	330	0.753	1.69	270	0.921	1.68	220	1.130	1.52
35×25	S52		1000	0.248	3.46	820	0.303	3.13	820	0.303	3.13	560	0.444	2.59	390	0.637	2.16	330	0.753	1.99	270	0.921	1.98	220	1.130	1.79
			1200	0.207	3.79	1000	0.248	3.46	1000	0.248	3.46	680	0.365	2.85	470	0.529	2.37	390	0.637	2.16	330	0.753	2.19	270	0.921	1.98
			1500	0.165	4.24	1200	0.207	3.79	1200	0.207	3.79	820	0.303	3.13	560	0.444	2.59	470	0.529	2.37	390	0.637	2.38	330	0.753	2.19
35×30	S53		1500	0.165	4.56	1200	0.207	4.07	1200	0.207	4.08	820	0.303	3.36	470	0.529	2.55	470	0.529	2.55	390	0.637	2.55	270	0.921	2.13
			1800	0.138	4.99	1500	0.165	4.56	1500	0.165	4.56	1000	0.248	3.72	560	0.444	2.79	560	0.444	2.79	470	0.529	2.80	330	0.753	2.35
			2200	0.113	5.52	1800	0.138	4.99	1800	0.138	4.99	1200	0.207	4.07	680	0.365	3.07	680	0.365	3.07	560	0.444	3.06	390	0.637	2.56
35×35	S54		1800	0.138	5.21	1500	0.165	4.76	1500	0.165	4.75	1000	0.248	3.88	680	0.365	3.20	560	0.444	2.90	470	0.529	2.93	390	0.637	2.66
			2200	0.113	5.76	1800	0.138	5.21	1800	0.138	5.20	1200	0.207	4.25	820	0.303	3.51	680	0.365	3.20	560	0.444	3.19	470	0.529	2.92
			2700	0.092	6.38	2200	0.113	5.76	2200	0.113	5.75	1500	0.165	4.75	—	—	—	820	0.303	3.51	680	0.365	3.52	560	0.444	3.19
35×40	S55		2700	0.092	6.61	2200	0.113	5.97	2200	0.113	5.97	1500	0.165	4.93	820	0.303	3.65	820	0.303	3.65	680	0.365	3.65	470	0.529	3.03
			3300	0.075	7.31	2700	0.092	6.61	2700	0.092	6.61	—	—	—	1000	0.248	4.03	1000	0.248	4.03	820	0.303	4.01	560	0.444	3.31
35×45	S56		3300	0.075	7.60	3300	0.075	7.60	2200	0.113	6.20	1800	0.138	5.62	1000	0.248	4.20	1000	0.248	4.18	820	0.303	4.17	680	0.365	3.80
			3900	0.063	8.26	—	—	—	2700	0.092	6.87	—	—	—	1200	0.207	4.60	1200	0.207	4.58	1000	0.248	4.60	—	—	—
35×50	S57		3900	0.063	8.61	3300	0.075	7.92	3300	0.075	7.92	1800	0.138	5.85	1200	0.207	4.78	1200	0.207	4.78	1000	0.248	4.80	680	0.365	3.95
			—	—	—	—	—	—	—	—	—	2200	0.113	6.47	1500	0.165	5.34	—	—	—	1200	0.207	5.25	820	0.303	4.34

(Note) Rated ripple current : 85℃, 120Hz ; ESR. : 20℃, 120Hz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.