

LA5, LT5 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS **ELNA®**

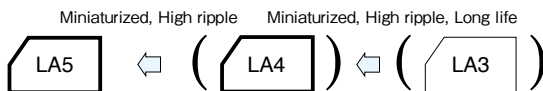
PCB Snap-In Miniaturized Capacitors

GREEN
CAP

- 20mm-tall products for every diameter of $\phi 22$ to $\phi 35$ are now offered in series.
- As many as 4 case sizes available for the same rating.



Marking color : White print on a black sleeve

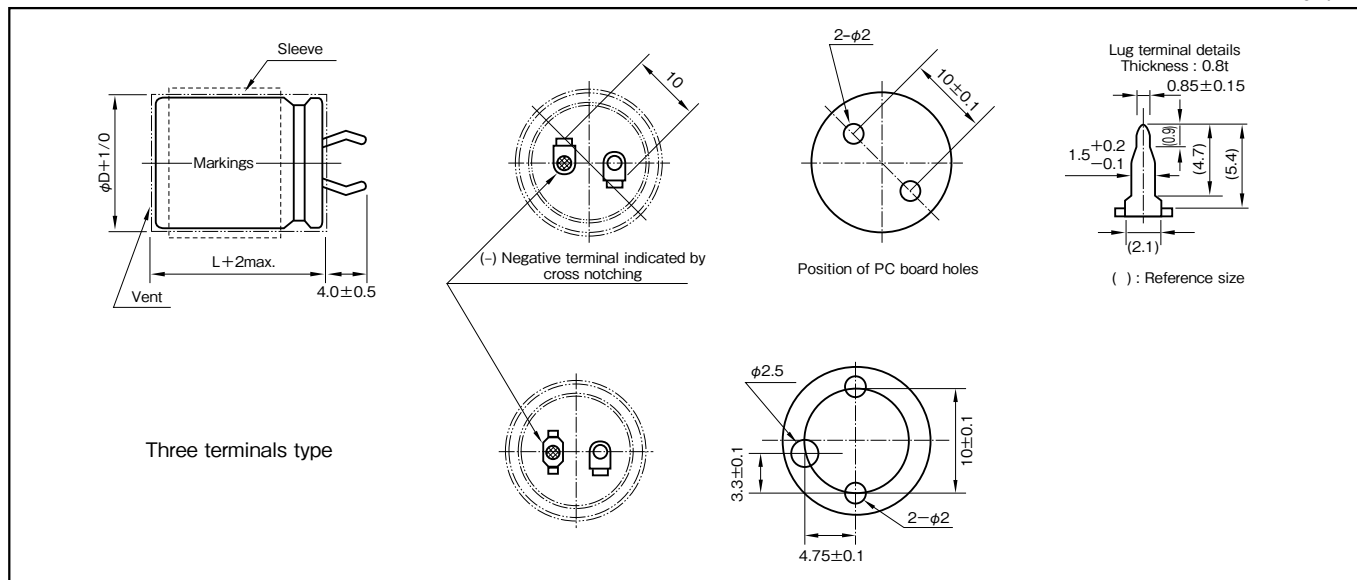


Specifications

Item	Performance							
Category temperature range (°C)	−40 to +85 (450V is at −25 to +85)							
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)							
Leakage current (μA) (max.)	3√C/V (after 5 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)							
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)		160 to 250	315 to 450			
		φD (mm)						
		22 to 30	0.10	0.15				
	35	0.15	0.15					
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°C/Z+20°C	5	4	3	3	4	4
		Z−40°C/Z+20°C	18	15	10	6	8	—
		(120Hz)						
Endurance (85°C) (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°C)	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					
Applicable standards	Voltage application treatment : According to JIS C5101-4 4.1 JIS C5101-1, -4 (IEC 60384-1, -4)							

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

Frequency (Hz)	50	120	1k	10k	20k
Rated voltage (V)					
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

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L					D	L					D	L		
10	8200	22	20	S21	2.00	10	47000	35	25	S52	5.97	16	22000	22	35	S24	4.12
	10000	22	20	S21	2.21		47000	35	30	S53	6.20		22000	22	40	S25	4.31
	12000	22	20	S21	2.42		56000	25	45	S36	6.47		22000	22	50	S27	4.50
	12000	22	25	S22	2.50		56000	25	50	S37	6.55		22000	25	30	S33	4.12
	12000	25	20	S31	2.50		56000	30	35	S44	6.59		22000	25	35	S34	4.31
	15000	22	25	S22	2.80		56000	30	40	S45	6.66		22000	25	40	S35	4.40
	15000	22	30	S23	3.00		56000	30	45	S46	6.90		22000	30	25	S42	4.31
	15000	25	20	S31	2.80		56000	35	30	S53	6.77		22000	30	30	S43	4.40
	18000	22	25	S22	3.06		56000	35	35	S54	7.00		22000	35	20	S51	4.48
	18000	22	30	S23	3.29		68000	25	50	S37	7.22		22000	35	25	S52	4.60
	18000	25	20	S31	3.06		68000	30	40	S45	7.34		27000	22	40	S25	4.78
	18000	25	25	S32	3.20		68000	30	45	S46	7.60		27000	22	45	S26	4.90
	18000	30	20	S41	3.30		68000	30	50	S47	7.70		27000	25	35	S34	4.78
	22000	22	30	S23	3.63		68000	35	30	S53	7.46		27000	25	40	S35	4.87
	22000	22	35	S24	3.70		68000	35	35	S54	7.71		27000	25	45	S36	5.00
	22000	25	25	S32	3.54		68000	35	40	S55	7.90		27000	30	25	S42	4.78
	22000	25	30	S33	3.70		82000	30	45	S46	8.35		27000	30	30	S43	4.87
	22000	30	20	S41	3.65		82000	30	50	S47	8.46		27000	30	35	S44	5.10
	22000	35	20	S51	3.90		82000	35	35	S54	8.47		27000	35	25	S52	5.10
	27000	22	35	S24	3.90		82000	35	40	S55	8.68		33000	22	45	S26	5.41
	27000	22	40	S25	4.10		82000	35	45	S56	8.90		33000	22	50	S27	5.51
	27000	22	45	S26	4.30		100000	30	50	S47	9.34		33000	25	40	S35	5.39
	27000	25	25	S32	3.92		100000	35	40	S55	9.58		33000	25	45	S36	5.53
	27000	25	30	S33	4.10		100000	35	50	S57	10.20		33000	30	30	S43	5.39
	27000	25	35	S34	4.20		120000	35	45	S56	10.80		33000	30	35	S44	5.64
	27000	30	20	S41	4.04		120000	35	50	S57	11.20		33000	30	40	S45	5.80
	27000	30	25	S42	4.20		150000	35	50	S57	12.50		33000	35	25	S52	5.63
	27000	35	20	S51	4.32	16	5600	22	20	S21	1.90		33000	35	30	S53	5.80
	33000	22	35	S24	4.53		6800	22	20	S21	2.09		39000	25	45	S36	6.01
	33000	22	40	S25	4.54		8200	22	20	S21	2.21		39000	25	50	S37	6.27
	33000	22	50	S27	4.90		8200	22	25	S22	2.40		39000	30	35	S44	6.13
	33000	25	30	S33	4.53		8200	25	20	S31	2.30		39000	30	40	S45	6.31
	33000	25	35	S34	4.64		10000	22	25	S22	2.65		39000	30	45	S46	6.40
	33000	25	40	S35	4.80		10000	25	20	S31	2.54		39000	35	30	S53	6.31
	33000	30	25	S42	4.64		12000	22	25	S22	2.78		39000	35	35	S54	6.50
	33000	30	30	S43	4.90		12000	22	30	S23	3.00		47000	25	50	S37	6.88
	33000	35	20	S51	4.78		12000	25	20	S31	2.78		47000	30	40	S45	6.92
	33000	35	25	S52	5.00		12000	25	25	S32	2.90		47000	30	45	S46	7.03
	39000	22	40	S25	4.93		12000	30	20	S41	3.00		47000	30	50	S47	7.20
	39000	22	45	S26	5.17		15000	22	30	S23	3.35		47000	35	30	S53	6.92
	39000	25	35	S34	5.05		15000	22	35	S24	3.40		47000	35	35	S54	7.14
	39000	25	40	S35	5.22		15000	25	25	S32	3.24		47000	35	40	S55	7.40
	39000	25	45	S36	5.40		15000	25	30	S33	3.40		56000	30	45	S46	7.67
	39000	30	25	S42	5.05		15000	30	20	S41	3.35		56000	30	50	S47	7.86
	39000	30	30	S43	5.33		15000	35	20	S51	3.70		56000	35	35	S54	7.79
	39000	30	35	S44	5.50		18000	22	30	S23	3.67		56000	35	40	S55	8.08
	39000	35	25	S52	5.44		18000	22	35	S24	3.72		56000	35	45	S56	8.20
	47000	22	50	S27	5.85		18000	22	40	S25	3.90		68000	30	50	S47	8.66
	47000	25	40	S35	5.73		18000	25	25	S32	3.55		68000	35	40	S55	8.90
	47000	25	45	S36	5.93		18000	25	30	S33	3.72		68000	35	45	S56	9.04
	47000	25	50	S37	6.00		18000	25	35	S34	3.90		82000	35	45	S56	9.92
	47000	30	30	S43	5.85		18000	30	20	S41	3.67		82000	35	50	S57	10.30
	47000	30	35	S44	6.04		18000	30	25	S42	3.90		100000	35	50	S57	11.40
	47000	30	40	S45	6.10		18000	35	20	S51	4.05						

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

• The standard ratings follow the next page.

LA5, LT5 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS ELNA®

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L		
25	3900	22	20	S21	1.80
	4700	22	20	S21	1.98
	5600	22	20	S21	2.16
	5600	22	25	S22	2.30
	5600	25	20	S31	2.20
	6800	22	25	S22	2.53
	6800	25	20	S31	2.42
	8200	22	25	S22	2.78
	8200	22	30	S23	2.80
	8200	25	20	S31	2.66
	8200	25	25	S32	2.80
	8200	30	20	S41	2.90
	10000	22	30	S23	3.09
	10000	22	35	S24	3.20
	10000	25	25	S32	3.09
	10000	25	30	S33	3.20
	10000	30	20	S41	3.20
	10000	35	20	S51	3.50
	12000	22	30	S23	3.39
	12000	22	35	S24	3.51
	12000	22	40	S25	3.70
	12000	25	25	S32	3.39
	12000	25	30	S33	3.51
	12000	25	35	S34	3.70
	12000	30	20	S41	3.51
	12000	30	25	S42	3.70
	12000	35	20	S51	3.83
	15000	22	35	S24	3.92
	15000	22	40	S25	4.14
	15000	22	50	S27	4.30
	15000	25	30	S33	3.92
	15000	25	35	S34	4.14
	15000	25	40	S35	4.20
	15000	30	25	S42	4.14
	15000	30	30	S43	4.30
	15000	35	20	S51	4.29
	15000	35	25	S52	4.40
	18000	22	40	S25	4.53
	18000	22	45	S26	4.62
	18000	25	35	S34	4.53
	18000	25	40	S35	4.60
	18000	25	45	S36	4.70
	18000	30	25	S42	4.53
	18000	30	30	S43	4.71
	18000	30	35	S44	4.80
	18000	35	25	S52	4.82
	22000	22	45	S26	5.11
	22000	22	50	S27	5.21
	22000	25	40	S35	5.09
	22000	25	45	S36	5.20
	22000	25	50	S37	5.40
	22000	30	30	S43	5.21
	22000	30	35	S44	5.31
	22000	30	40	S45	5.50

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L		
25	22000	35	25	S52	5.33
	22000	35	30	S53	5.50
	27000	25	45	S36	5.76
	27000	25	50	S37	5.98
	27000	30	35	S44	5.88
	27000	30	40	S45	6.09
	27000	30	45	S46	6.20
	27000	35	30	S53	6.09
	27000	35	35	S54	6.30
	33000	25	50	S37	6.61
	33000	30	40	S45	6.74
	33000	30	45	S46	6.85
	33000	30	50	S47	7.00
	33000	35	30	S53	6.74
	33000	35	35	S54	6.96
	33000	35	40	S55	7.20
	39000	30	45	S46	7.45
	39000	30	50	S47	7.61
	39000	35	35	S54	7.57
	39000	35	40	S55	7.83
	39000	35	45	S56	8.00
	47000	30	50	S47	8.35
	47000	35	40	S55	8.59
	47000	35	45	S56	8.78
	56000	35	45	S56	9.59
	56000	35	50	S57	9.96
	68000	35	50	S57	11.00

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L		
35	10000	22	35	S24	3.52
	10000	22	40	S25	3.64
	10000	22	50	S27	3.90
	10000	25	30	S33	3.52
	10000	25	35	S34	3.64
	10000	25	40	S35	3.80
	10000	30	25	S42	3.64
	10000	30	30	S43	3.80
	10000	35	20	S51	3.76
	10000	35	25	S52	4.00
	12000	22	40	S25	3.99
	12000	22	45	S26	4.09
	12000	25	35	S34	3.99
	12000	25	40	S35	4.16
	12000	25	45	S36	4.30
	12000	30	25	S42	3.99
	12000	30	30	S43	4.16
	12000	30	35	S44	4.30
	12000	35	25	S52	4.38
	15000	22	45	S26	4.58
	15000	22	50	S27	4.78
	15000	25	40	S35	4.65
	15000	25	45	S36	4.81
	15000	25	50	S37	4.90
	15000	30	30	S43	4.65
	15000	30	35	S44	4.81
	15000	30	40	S45	5.00
	15000	35	25	S52	4.90
	15000	35	30	S53	5.00
	18000	25	45	S36	5.27
	18000	25	50	S37	5.37
	18000	30	35	S44	5.27
	18000	30	40	S45	5.48
	18000	30	45	S46	5.60
	18000	35	30	S53	5.48
	18000	35	35	S54	5.70
	22000	25	50	S37	5.93
	22000	30	40	S45	6.06
	22000	30	45	S46	6.19
	22000	30	50	S47	6.30
	22000	35	30	S53	6.06
	22000	35	35	S54	6.30
	22000	35	40	S55	6.40
	27000	30	45	S46	6.86
	27000	30	50	S47	6.98
	27000	35	35	S54	6.98
	27000	35	40	S55	7.09
	27000	35	50	S57	7.40
	33000	30	50	S47	7.72
	33000	35	40	S55	7.84
	33000	35	45	S56	7.87
	39000	35	45	S56	8.56
	39000	35	50	S57	8.89

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L					D	L					D	L		
50	1800	22	20	S21	1.60	50	10000	30	30	S43	4.73	63	3900	35	20	S51	3.40
	2200	22	20	S21	1.77		10000	30	35	S44	4.86		4700	22	35	S24	3.46
	2700	22	20	S21	1.96		10000	30	40	S45	5.00		4700	22	40	S25	3.62
	2700	22	25	S22	2.10		10000	35	25	S52	4.85		4700	22	45	S26	3.70
	2700	25	20	S31	2.10		10000	35	30	S53	5.00		4700	25	30	S33	3.51
	3300	22	25	S22	2.32		12000	25	45	S36	5.20		4700	25	35	S34	3.60
	3300	25	20	S31	2.32		12000	25	50	S37	5.37		4700	30	25	S42	3.62
	3900	22	25	S22	2.52		12000	30	35	S44	5.32		4700	35	20	S51	3.73
	3900	22	30	S23	2.60		12000	30	40	S45	5.48		5600	22	40	S25	3.95
	3900	25	20	S31	2.52		12000	30	45	S46	5.60		5600	22	45	S26	4.04
	3900	25	25	S32	2.60		12000	35	30	S53	5.48		5600	22	50	S27	4.10
	3900	30	20	S41	2.70		12000	35	35	S54	5.70		5600	25	35	S34	3.93
	4700	22	30	S23	2.85		15000	25	50	S37	6.00		5600	25	40	S35	4.00
	4700	22	35	S24	3.10		15000	30	40	S45	6.12		5600	30	25	S42	3.95
	4700	25	25	S32	2.85		15000	30	45	S46	6.26		5600	30	30	S43	4.10
	4700	25	30	S33	3.00		15000	30	50	S47	6.40		5600	35	20	S51	4.07
	4700	30	20	S41	2.96		15000	35	30	S53	6.12		5600	35	25	S52	4.20
	4700	35	20	S51	3.20		15000	35	35	S54	6.37		6800	22	45	S26	4.45
	5600	22	30	S23	3.12		15000	35	40	S55	6.50		6800	22	50	S27	4.52
	5600	22	35	S24	3.38		18000	30	45	S46	6.86		6800	25	35	S34	4.33
	5600	22	40	S25	3.40		18000	30	50	S47	7.01		6800	25	40	S35	4.41
	5600	25	25	S32	3.12		18000	35	35	S54	6.98		6800	25	45	S36	4.60
	5600	25	30	S33	3.27		18000	35	40	S55	7.12		6800	30	30	S43	4.52
	5600	25	35	S34	3.40		18000	35	45	S56	7.30		6800	30	35	S44	4.60
	5600	30	20	S41	3.24		22000	30	50	S47	7.75		6800	35	25	S52	4.63
	5600	30	25	S42	3.40		22000	35	40	S55	7.87		6800	35	30	S53	4.80
	5600	35	20	S51	3.49		22000	35	45	S56	8.07		8200	22	50	S27	4.96
	6800	22	35	S24	3.73		27000	35	45	S56	8.94		8200	25	45	S36	5.05
	6800	22	40	S25	3.75		27000	35	50	S57	9.29		8200	30	35	S44	5.05
	6800	22	50	S27	3.90	63	1500	22	20	S21	1.70		8200	30	40	S45	5.20
	6800	25	30	S33	3.61		1800	22	20	S21	1.86		8200	35	25	S52	5.08
	6800	25	35	S34	3.75		1800	25	20	S31	2.00		8200	35	30	S53	5.27
	6800	25	40	S35	3.80		2200	22	20	S21	2.06		8200	35	35	S54	5.50
	6800	30	25	S42	3.75		2200	22	25	S22	2.20		10000	25	50	S37	5.82
	6800	30	30	S43	3.90		2200	25	20	S31	2.21		10000	30	35	S44	5.58
	6800	35	20	S51	3.85		2700	22	25	S22	2.25		10000	30	40	S45	5.74
	6800	35	25	S52	4.00		2700	22	30	S23	2.50		10000	30	45	S46	5.90
	8200	22	40	S25	4.11		2700	25	20	S31	2.25		10000	35	30	S53	5.82
	8200	22	45	S26	4.21		2700	25	25	S32	2.30		10000	35	35	S54	6.07
	8200	25	35	S34	4.11		2700	30	20	S41	2.60		10000	35	40	S55	6.20
	8200	25	40	S35	4.17		3300	22	30	S23	2.76		12000	30	45	S46	6.46
	8200	25	45	S36	4.30		3300	22	35	S24	2.90		12000	35	35	S54	6.65
	8200	30	25	S42	4.11		3300	25	25	S32	2.54		12000	35	40	S55	6.79
	8200	30	30	S43	4.28		3300	30	20	S41	2.87		12000	35	45	S56	6.90
	8200	30	35	S44	4.40		3900	22	30	S23	3.00		15000	30	50	S47	7.52
	8200	35	25	S52	4.39		3900	22	35	S24	3.15		15000	35	40	S55	7.59
	10000	22	45	S26	4.64		3900	22	40	S25	3.30		15000	35	45	S56	7.71
	10000	22	50	S27	4.73		3900	25	25	S32	2.76		15000	35	50	S57	7.90
	10000	25	40	S35	4.61		3900	25	30	S33	3.20		18000	35	45	S56	8.45
	10000	25	45	S36	4.75		3900	30	20	S41	3.12		18000	35	50	S57	8.65
	10000	25	50	S37	4.90		3900	30	25	S42	3.30		22000	35	50	S57	9.57

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

• The standard ratings follow the next page.

LA5, LT5 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS **ELNA®**

Standard Ratings

	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
			D	L		
ALUMINUM	80	1000	22	20	S21	1.50
		1200	22	20	S21	1.64
		1200	25	20	S31	1.70
		1500	22	25	S22	1.90
		1500	25	20	S31	1.90
		1800	22	25	S22	2.08
		1800	22	30	S23	2.20
		1800	25	20	S31	2.08
		1800	25	25	S32	2.20
		1800	30	20	S41	2.20
		2200	22	30	S23	2.43
		2200	22	35	S24	2.50
		2200	25	25	S32	2.43
		2200	25	30	S33	2.50
		2200	30	20	S41	2.43
		2700	22	30	S23	2.69
		2700	22	35	S24	2.77
		2700	22	40	S25	2.80
		2700	25	25	S32	2.69
		2700	25	30	S33	2.77
		2700	30	20	S41	2.69
		2700	30	25	S42	2.90
		2700	35	20	S51	3.00
		3300	22	35	S24	3.06
		3300	22	40	S25	3.10
		3300	22	45	S26	3.20
		3300	25	30	S33	3.06
		3300	25	35	S34	3.10
		3300	30	25	S42	3.21
		3300	35	20	S51	3.32
		3900	22	40	S25	3.37
		3900	22	45	S26	3.48
		3900	22	50	S27	3.60
		3900	25	35	S34	3.37
		3900	25	40	S35	3.50
		3900	30	25	S42	3.49
		3900	30	30	S43	3.60
		3900	35	25	S52	3.70
		4700	22	45	S26	3.82
		4700	22	50	S27	3.95
		4700	25	40	S35	3.84
		4700	25	45	S36	3.92
		4700	25	50	S37	4.00
		4700	30	30	S43	3.95
		4700	30	35	S44	4.00
		4700	35	25	S52	4.06
		4700	35	30	S53	4.20
		5600	25	45	S36	4.15
LARGE ALUMINUM	80	5600	25	50	S37	4.37
		5600	30	35	S44	4.37
		5600	30	40	S45	4.50
		5600	35	30	S53	4.58
		5600	35	35	S54	4.70
		6800	25	50	S37	4.81
		6800	30	40	S45	4.96
		6800	30	45	S46	5.10
		6800	35	30	S53	5.05
		6800	35	35	S54	5.18
		6800	35	40	S55	5.30
		8200	30	45	S46	5.60
		8200	30	50	S47	5.83
		8200	35	35	S54	5.69
		8200	35	40	S55	5.82
		8200	35	45	S56	6.00
		10000	30	50	S47	6.44
		10000	35	40	S55	6.43
		10000	35	45	S56	6.63
		10000	35	50	S57	6.80
		12000	35	45	S56	7.26
		12000	35	50	S57	7.45
	100	560	22	20	S21	1.30
		680	22	20	S21	1.43
		820	22	20	S21	1.57
		820	22	25	S22	1.70
		820	25	20	S31	1.70
		1000	22	25	S22	1.88
		1000	25	20	S31	1.88
		1200	22	25	S22	2.06
		1200	22	30	S23	2.10
		1200	25	20	S31	2.06
		1200	25	25	S32	2.10
		1200	30	20	S41	2.20
		1500	22	30	S23	2.35
		1500	22	35	S24	2.50
		1500	25	25	S32	2.35
		1500	25	30	S33	2.50
		1500	30	20	S41	2.46
		1500	35	20	S51	2.70
		1800	22	35	S24	2.74
		1800	22	40	S25	2.80
		1800	25	30	S33	2.74
		1800	25	35	S34	2.80
		1800	30	20	S41	2.69
		1800	30	25	S42	2.80
		1800	35	20	S51	2.96
		2200	22	40	S25	3.10
LARGE ALUMINUM	100	2200	25	40	S35	3.92
		2200	25	45	S36	3.98
		2200	25	50	S37	4.10
		2200	30	30	S43	3.92
		2200	30	35	S44	4.09
		2200	30	40	S45	4.20
		2200	35	25	S52	4.16
		2200	35	30	S53	4.30
		2700	22	50	S27	4.09
		2700	25	40	S35	3.55
		2700	25	45	S36	2.90
		2700	30	30	S43	3.55
		2700	30	35	S44	3.70
		2700	35	25	S52	3.77
		3300	22	50	S27	4.09
		3300	25	40	S35	3.92
		3300	25	45	S36	3.98
		3300	25	50	S37	4.10
		3300	30	30	S43	3.92
		3300	30	35	S44	4.09
		3300	30	40	S45	4.20
		3300	35	25	S52	4.16
		3900	25	45	S36	4.33
		3900	25	50	S37	4.46
		3900	30	35	S44	4.45
		3900	30	40	S45	4.57
		3900	30	45	S46	4.70
		3900	35	30	S53	4.67
		3900	35	35	S54	4.80
		4700	30	40	S45	5.01
		4700	30	45	S46	5.16
		4700	30	50	S47	5.20
		4700	35	30	S53	5.13
		4700	35	35	S54	5.27
		4700	35	40	S55	5.40
		5600	30	45	S46	5.63
		5600	30	50	S47	5.68
		5600	35	35	S54	5.75
		5600	35	40	S55	5.89
		5600	35	45	S56	6.00
		6800	30	50	S47	6.25
		6800	35	40	S55	6.50
		6800	35	45	S56	6.61
		8200	35	45	S56	7.26
		8200	35	50	S57	7.55

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

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L					D	L					D	L		
160	270	22	20	S21	1.49	160	1500	30	35	S44	4.52	180	680	35	20	S51	2.42
	330	22	20	S21	1.65		1500	30	40	S45	3.70		820	22	35	S24	2.96
	390	22	20	S21	1.71		1500	35	25	S52	4.24		820	22	40	S25	3.11
	390	22	25	S22	1.93		1500	35	30	S53	4.56		820	22	45	S26	2.60
	390	25	20	S31	1.76		1800	25	50	S37	5.26		820	25	30	S33	2.96
	470	22	25	S22	2.12		1800	30	35	S44	4.95		820	25	35	S34	3.14
	470	25	20	S31	1.93		1800	30	40	S45	5.14		820	25	40	S35	2.60
	560	22	25	S22	2.31		1800	30	45	S46	4.20		820	30	25	S42	3.00
	560	22	30	S23	2.43		1800	35	30	S53	4.99		820	30	30	S43	3.20
	560	25	25	S32	2.43		1800	35	35	S54	5.21		820	35	20	S51	2.66
	560	30	20	S41	2.11		2200	30	40	S45	5.68		820	35	25	S52	3.13
	680	22	30	S23	2.68		2200	30	45	S46	5.93		1000	22	45	S26	3.61
	680	22	35	S24	2.70		2200	30	50	S47	4.70		1000	25	35	S34	3.47
	680	25	25	S32	2.68		2200	35	35	S54	5.76		1000	25	40	S35	3.60
	680	25	30	S33	2.70		2200	35	40	S55	4.70		1000	25	45	S36	2.90
	680	30	20	S41	2.33		2700	30	50	S47	6.83		1000	30	25	S42	3.23
	680	35	20	S51	2.42		2700	35	40	S55	6.61		1000	30	30	S43	3.53
	820	22	35	S24	2.96		2700	35	50	S57	5.40		1000	35	25	S52	3.46
	820	22	40	S25	2.50		3300	35	45	S56	7.60		1200	22	50	S27	4.11
	820	25	30	S33	2.96		3900	35	50	S57	8.61		1200	25	40	S35	3.94
	820	25	35	S34	2.50	180	220	22	20	S21	1.34		1200	25	45	S36	4.13
	820	30	20	S41	2.56		270	22	20	S21	1.49		1200	25	50	S37	3.30
	820	30	25	S42	3.13		330	22	20	S21	1.56		1200	30	30	S43	3.87
	820	35	20	S51	2.66		330	22	25	S22	1.77		1200	30	35	S44	4.04
	1000	22	40	S25	3.43		330	25	20	S31	1.62		1200	35	25	S52	3.79
	1000	22	50	S27	2.90		390	22	25	S22	1.92		1200	35	30	S53	4.07
	1000	25	30	S33	3.27		390	25	20	S31	1.76		1500	25	50	S37	4.80
	1000	25	35	S34	3.47		470	22	25	S22	2.11		1500	30	35	S44	4.52
	1000	25	40	S35	2.80		470	22	30	S23	2.23		1500	30	45	S46	4.90
	1000	30	25	S42	3.30		470	25	25	S32	2.23		1500	35	30	S53	4.56
	1000	30	30	S43	3.54		470	30	20	S41	1.94		1500	35	35	S54	4.76
	1000	35	20	S51	2.94		560	22	30	S23	2.43		1800	30	40	S45	5.14
	1000	35	25	S52	3.46		560	22	35	S24	2.45		1800	30	45	S46	5.36
	1200	22	45	S26	3.96		560	25	25	S32	2.43		1800	30	50	S47	4.30
	1200	25	35	S34	3.80		560	25	30	S33	2.45		1800	35	35	S54	5.21
	1200	25	45	S36	4.13		560	30	20	S41	2.12		1800	35	40	S55	4.30
	1200	30	30	S43	3.87		560	35	20	S51	2.10		2200	30	45	S46	5.93
	1200	30	35	S44	3.30		680	22	35	S24	2.70		2200	30	50	S47	6.17
	1200	35	25	S52	3.79		680	22	40	S25	2.30		2200	35	35	S54	5.76
	1500	22	50	S27	4.60		680	25	30	S33	2.70		2200	35	40	S55	5.97
	1500	25	40	S35	4.41		680	25	35	S34	2.30		2200	35	45	S56	4.80
	1500	25	50	S37	4.80		680	30	20	S41	2.33		3300	35	50	S57	7.92
	1500	30	30	S43	4.33		680	30	25	S42	2.86						

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

• The standard ratings follow the next page.

LA5, LT5 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS **ELNA®**

Standard Ratings

	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
			D	L					D	L					D	L		
ALUMINUM	200	180	22	20	S21	1.00	200	1500	35	30	S53	4.56	250	680	35	25	S52	2.85
		220	22	20	S21	1.34		1500	35	35	S54	4.75		680	35	30	S53	2.60
		270	22	20	S21	1.41		1500	35	40	S55	3.90		820	22	50	S27	3.40
		270	22	25	S22	1.30		1800	30	45	S46	5.35		820	25	40	S35	3.26
		270	25	20	S31	1.47		1800	35	35	S54	5.20		820	25	45	S36	3.42
		330	22	25	S22	1.77		1800	35	45	S56	4.40		820	30	30	S43	3.20
		330	25	20	S31	1.62		2200	30	50	S47	6.16		820	30	35	S44	3.34
		390	22	25	S22	1.92		2200	35	40	S55	5.97		820	30	40	S45	2.90
		390	22	30	S23	1.60		2200	35	45	S56	6.20		820	35	25	S52	3.13
		390	25	20	S31	1.69		2200	35	50	S57	5.00		820	35	30	S53	3.36
		390	25	25	S32	2.03		2700	35	45	S56	6.87		820	35	35	S54	2.90
		390	30	20	S41	1.70	250	150	22	20	S21	1.10		1000	25	50	S37	3.92
		470	22	25	S22	2.11		180	22	20	S21	1.15		1000	30	35	S44	3.69
		470	22	30	S23	2.23		180	25	20	S31	1.20		1000	30	40	S45	3.83
		470	22	35	S24	1.90		220	22	20	S21	1.24		1000	30	45	S46	3.30
		470	25	25	S32	2.23		220	22	25	S22	1.44		1000	35	30	S53	3.72
		470	30	20	S41	1.94		220	25	20	S31	1.33		1000	35	35	S54	3.88
		560	22	30	S23	2.43		270	22	25	S22	1.60		1000	35	40	S55	3.30
		560	22	35	S24	2.44		270	22	30	S23	1.40		1200	30	40	S45	4.20
		560	22	40	S25	2.10		270	25	20	S31	1.40		1200	30	45	S46	4.38
		560	25	25	S32	2.43		270	25	25	S32	1.40		1200	30	50	S47	3.70
		560	25	30	S33	2.45		270	30	20	S41	1.40		1200	35	35	S54	4.25
		560	30	20	S41	2.11		330	22	25	S22	1.77		1200	35	45	S56	3.70
		560	30	25	S42	2.10		330	22	30	S23	1.87		1200	35	50	S47	5.08
		560	35	20	S51	2.20		330	22	35	S24	1.60		1500	30	50	S47	5.08
		680	22	35	S24	2.69		330	25	25	S32	1.87		1500	35	40	S55	4.93
		680	22	45	S26	2.40		330	30	20	S41	1.63		1500	35	50	S57	4.20
		680	25	30	S33	2.70		390	22	30	S23	2.03		1800	35	45	S56	5.62
		680	25	35	S34	2.86		390	22	35	S24	2.04		1800	35	50	S57	5.85
		680	30	25	S42	2.86		390	22	40	S25	1.80		2200	35	50	S57	6.47
		680	35	20	S51	2.42		390	25	25	S32	2.03	315	100	22	20	S21	0.90
		820	22	40	S25	3.11		390	25	30	S33	2.04		120	22	20	S21	0.94
		820	22	50	S27	2.60		390	30	20	S41	1.77		120	25	20	S31	0.88
		820	25	35	S34	3.14		390	30	25	S42	1.80		150	22	20	S21	1.02
		820	25	40	S35	2.60		390	35	20	S51	1.84		150	22	25	S22	1.20
		820	30	25	S42	3.00		470	22	35	S24	2.24		150	25	20	S31	1.10
		820	30	30	S43	3.20		470	22	45	S26	2.00		180	22	25	S22	1.31
		820	35	20	S51	2.66		470	25	30	S33	2.24		180	22	30	S23	1.38
		820	35	25	S52	3.13		470	25	35	S34	2.00		180	25	20	S31	1.15
		1000	22	45	S26	3.61		470	25	35	S34	2.00		180	25	25	S32	1.38
		1000	25	40	S35	3.60		470	30	25	S42	2.37		180	25	25	S32	1.38
		1000	25	50	S37	3.00		470	30	25	S42	2.37		180	30	20	S41	1.20
		1000	30	30	S43	3.53		470	35	20	S51	2.02		220	22	25	S22	1.45
		1000	30	35	S44	3.00		560	22	40	S25	2.57		220	22	30	S23	1.53
		1000	35	25	S52	3.46		560	22	50	S27	2.20		220	22	35	S24	1.30
		1000	35	30	S53	3.00		560	25	30	S33	2.44		220	25	20	S31	1.32
		1000	35	30	S53	3.00		560	25	35	S34	2.60		220	25	25	S32	1.53
		1200	22	50	S27	4.11		560	25	40	S35	2.20		220	30	20	S41	1.33
		1200	25	45	S36	4.13		560	30	25	S42	2.48		270	22	30	S23	1.69
		1200	30	35	S44	4.04		560	30	30	S43	2.64		270	22	35	S24	1.70
		1200	30	40	S45	3.40		560	35	20	S51	2.20		270	22	40	S25	1.50
		1200	35	25	S52	3.79		560	35	25	S52	2.59		270	25	25	S32	1.69
		1200	35	30	S53	4.08		680	22	45	S26	2.98		270	25	30	S33	1.70
		1200	35	35	S54	3.40		680	25	35	S34	2.86		270	30	20	S41	1.47
		1500	25	50	S37	4.80		680	25	40	S35	2.97		270	30	25	S42	1.50
		1500	30	40	S45	4.69		680	25	45	S36	2.50		270	35	20	S51	1.69
		1500	30	50	S47	4.00		680	30	30	S43	2.91		330	22	35	S24	1.88
								680	30	35	S44	2.60		330	22	40	S25	1.97

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

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L					D	L					D	L		
315	330	22	45	S26	1.70	350	1500	35	50	S57	5.34	350	390	25	50	S37	1.90
	330	25	30	S33	1.88		68	22	20	S21	0.61		390	30	30	S43	2.20
	330	25	35	S34	1.96		82	22	20	S21	0.81		390	30	40	S45	1.90
	330	30	20	S41	1.62		100	22	20	S21	0.85		390	35	25	S52	2.16
	330	30	25	S42	1.99		100	22	25	S22	0.78		390	35	30	S53	1.90
	330	35	20	S51	1.87		100	25	20	S31	0.77		470	22	50	S27	2.57
	390	22	35	S24	2.04		120	22	20	S21	0.91		470	25	40	S35	2.47
	390	22	40	S25	2.14		120	22	25	S22	1.07		470	25	45	S36	2.58
	390	25	30	S33	2.04		120	25	20	S31	0.97		470	30	30	S43	2.42
	390	25	35	S34	2.14		150	22	25	S22	1.20		470	30	35	S44	2.53
	390	25	40	S35	1.80		150	22	30	S23	1.26		470	30	45	S46	2.10
	390	30	25	S42	2.08		150	25	20	S31	1.09		470	35	25	S52	2.37
	390	30	30	S43	2.20		150	25	25	S32	0.99		470	35	30	S53	2.55
	390	35	25	S52	2.16		150	30	20	S41	1.00		470	35	35	S54	2.20
	470	22	40	S25	2.35		180	22	25	S22	1.31		560	25	45	S36	2.82
	470	22	45	S26	2.48		180	22	30	S23	1.37		560	25	50	S37	2.93
	470	25	35	S34	2.34		180	22	35	S24	1.10		560	30	35	S44	2.76
	470	25	40	S35	2.46		180	25	20	S31	1.15		560	30	40	S45	2.87
	470	25	50	S37	2.10		180	25	25	S32	1.38		560	30	50	S47	2.40
	470	30	25	S42	2.23		180	25	30	S33	1.10		560	35	30	S53	2.79
	470	30	30	S43	2.42		180	30	20	S41	1.20		560	35	35	S54	2.90
	470	30	35	S44	2.10		180	35	20	S51	1.20		560	35	40	S55	2.50
	470	35	25	S52	2.37		220	22	30	S23	1.52		680	30	40	S45	3.16
	470	35	30	S53	2.55		220	22	35	S24	1.53		680	30	45	S46	3.30
	560	22	45	S26	2.70		220	22	40	S25	1.30		680	35	30	S53	3.07
	560	22	50	S27	2.81		220	25	25	S32	1.53		680	35	35	S54	3.20
	560	25	40	S35	2.69		220	25	30	S33	1.54		680	35	45	S56	2.80
	560	25	50	S37	2.93		220	25	35	S34	1.30		820	30	45	S46	3.62
	560	30	30	S43	2.64		220	30	20	S41	1.33		820	30	50	S47	3.76
	560	30	35	S44	2.76		220	30	25	S42	1.30		820	35	35	S54	3.51
	560	30	40	S45	2.40		220	35	20	S51	1.38		820	35	40	S55	3.65
	560	35	25	S52	2.59		270	22	35	S24	1.70		1000	35	40	S55	4.03
	560	35	30	S53	2.79		270	22	40	S25	1.78		1000	35	45	S56	4.18
	560	35	35	S54	2.50		270	22	50	S27	1.50		1200	35	50	S57	4.78
	680	25	45	S36	3.11		270	25	25	S32	1.69	400	56	22	20	S21	0.54
	680	25	50	S37	3.23		270	25	30	S33	1.70		82	22	20	S21	0.82
	680	30	35	S44	3.04		270	25	40	S35	1.50		82	22	25	S22	0.69
	680	30	40	S45	3.16		270	30	20	S41	1.47		82	25	20	S31	0.69
	680	30	45	S46	2.70		270	30	25	S42	1.71		100	22	20	S21	0.91
	680	35	30	S53	3.07		270	30	30	S43	1.50		100	22	25	S22	1.07
	680	35	35	S54	3.20		270	35	20	S51	1.53		100	25	20	S31	0.99
	680	35	40	S55	2.80		270	35	25	S52	1.60		120	22	25	S22	1.17
	820	25	50	S37	3.55		330	22	40	S25	1.97		120	22	30	S23	0.86
	820	30	40	S45	3.47		330	22	50	S27	2.15		120	25	20	S31	1.03
	820	30	45	S46	3.62		330	25	30	S33	1.88		120	25	25	S32	0.87
	820	35	35	S54	3.51		330	25	35	S34	2.00		120	30	20	S41	0.93
	820	35	40	S55	3.65		330	25	45	S36	1.70		150	22	25	S22	1.31
	820	35	45	S56	3.10		330	30	25	S42	1.85		150	22	30	S23	1.35
	1000	30	45	S46	4.00		330	30	30	S43	2.03		150	22	35	S24	1.00
	1000	30	50	S47	4.16		330	30	35	S44	1.70		150	25	20	S31	1.20
	1000	35	40	S55	4.03		330	35	20	S51	1.69		150	25	25	S32	1.35
	1000	35	45	S56	4.20		330	35	25	S52	1.99		150	25	30	S33	1.00
	1000	35	50	S57	3.50		390	22	45	S26	2.26		150	30	20	S41	1.21
	1200	30	50	S47	4.56		390	22	50	S27	2.34		150	35	20	S51	1.20
	1200	35	45	S56	4.60		390	25	35	S34	2.17		180	22	30	S23	1.52
	1200	35	50	S57	4.78		390	25	40	S35	2.25		180	22	35	S24	1.53

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

• The standard ratings follow the next page.

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L		
400	180	22	40	S25	1.10
	180	25	25	S32	1.52
	180	25	30	S33	1.53
	180	25	35	S34	1.10
	180	30	20	S41	1.32
	180	30	25	S42	1.20
	180	35	20	S51	1.37
	220	22	30	S23	1.68
	220	22	35	S24	1.69
	220	22	45	S26	1.30
	220	25	25	S32	1.68
	220	25	30	S33	1.69
	220	25	40	S35	1.30
	220	30	20	S41	1.46
	220	30	25	S42	1.70
	220	30	30	S43	1.40
	220	35	20	S51	1.52
	220	35	25	S52	1.50
	270	22	35	S24	1.87
	270	22	40	S25	1.96
	270	22	45	S26	2.06
	270	25	30	S33	1.87
	270	25	35	S34	1.98
	270	25	45	S36	1.50
	270	30	25	S42	1.84
	270	30	30	S43	2.02
	270	30	35	S44	1.60
	270	35	20	S51	1.68
	270	35	25	S52	1.98
	330	22	40	S25	2.17
	330	22	45	S26	2.28
	330	25	35	S34	2.19
	330	25	40	S35	2.27
	330	25	50	S37	1.70
	330	30	25	S42	2.01
	330	30	30	S43	2.24
	330	30	40	S45	1.80
	330	35	25	S52	2.19
	330	35	30	S53	1.80
	390	22	50	S27	2.58
390	25	40	S35	2.47	
390	25	45	S36	2.59	
390	30	30	S43	2.43	
390	30	35	S44	2.53	
390	30	45	S46	2.00	
390	35	25	S52	2.38	
390	35	30	S53	2.55	
390	35	35	S54	2.10	
470	25	45	S36	2.84	
470	25	50	S37	2.96	
470	30	35	S44	2.78	
470	30	40	S45	2.89	
470	30	50	S47	2.20	

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)	
		D	L			
400	470	35	30	S53	2.80	
	470	35	35	S54	2.93	
	470	35	40	S55	2.30	
	560	30	40	S45	3.15	
	560	30	45	S46	3.29	
	560	35	30	S53	3.06	
	560	35	35	S54	3.19	
	560	35	45	S56	2.60	
	680	30	45	S46	3.63	
	680	30	50	S47	3.77	
	680	35	35	S54	3.52	
	680	35	40	S55	3.65	
	680	35	50	S57	2.90	
	820	35	40	S55	4.01	
	820	35	45	S56	4.17	
	1000	35	45	S56	4.60	
	1000	35	50	S57	4.80	
	450	47	22	20	S21	0.49
		56	25	20	S31	0.57
		68	22	20	S21	0.82
68		22	25	S22	0.62	
82		22	20	S21	0.85	
82		22	25	S22	0.97	
82		22	30	S23	0.71	
82		25	20	S31	0.87	
82		25	25	S32	0.72	
82		30	20	S41	0.77	
100		22	25	S22	1.07	
100		22	35	S24	0.82	
100		25	20	S31	0.92	
100		30	20	S41	0.98	
120		22	25	S22	1.17	
120		22	30	S23	1.23	
120		22	40	S25	0.92	
120		25	20	S31	0.99	
120		25	25	S32	1.24	
120		25	30	S33	0.91	
120		30	20	S41	1.07	
120		30	25	S42	0.97	
120		35	20	S51	1.00	
150		22	30	S23	1.38	
150		22	35	S24	1.42	
150		22	45	S26	1.10	
150		25	25	S32	1.39	
150		25	30	S33	1.40	
150		25	35	S34	1.00	
150		30	20	S41	1.20	
150	30	25	S42	1.48		
150	35	20	S51	1.26		
180	22	35	S24	1.56		
180	22	50	S27	1.20		
180	25	25	S32	1.52		
180	25	30	S33	1.53		

Rated voltage (V)	Rated capacitance (μF)	Case (mm)		Casing Symbol	Rated ripple current (Arms)
		D	L		
450	180	25	40	S35	1.20
	180	30	25	S42	1.58
	180	30	30	S43	1.20
	180	35	20	S51	1.37
	180	35	25	S52	1.30
	220	22	40	S25	1.77
	220	25	30	S33	1.69
	220	25	35	S34	1.79
	220	25	50	S37	1.40
	220	30	25	S42	1.68
	220	30	30	S43	1.82
	220	30	35	S44	1.40
	220	35	20	S51	1.52
	220	35	25	S52	1.79
	220	35	30	S53	1.50
	270	22	45	S26	2.07
	270	25	35	S34	1.98
	270	25	40	S35	2.05
	270	30	30	S43	2.02
	270	30	35	S44	2.11
	270	30	40	S45	1.60
	270	35	25	S52	1.98
	270	35	30	S53	2.13
	270	35	35	S54	1.70
	330	22	50	S27	2.37
	330	25	40	S35	2.27
	330	25	45	S36	2.38
	330	30	30	S43	2.23
	330	30	35	S44	2.34
	330	30	50	S47	1.80
	330	35	25	S52	2.19
	330	35	30	S53	2.35
	330	35	40	S55	1.90
	390	25	45	S36	2.59
	390	25	50	S37	2.69
	390	30	35	S44	2.54
	390	30	40	S45	2.63
	390	35	30	S53	2.56
	390	35	35	S54	2.66
	390	35	45	S56	2.20
470	30	40	S45	2.89	
470	30	45	S46	3.01	
470	35	35	S54	2.92	
470	35	40	S55	3.03	
470	35	50	S57	2.40	
560	30	45	S46	3.29	
560	30	50	S47	3.42	
560	35	35	S54	3.19	
560	35	40	S55	3.31	
680	35	45	S56	3.80	
680	35	50	S57	3.95	
820	35	50	S57	4.34	

(Note) Rated ripple current : 85°C, 120Hz : ESB : 20°C, 120Hz