Specifications

Item		Performance
Category temperature range (˚C)		−55 to +125 (Above 85˚C use category voltage)
Leakage current (μA)		See standard ratings table
Tolerance at rated capacitance (%)		±20 (120Hz)
Tangent of loss angle		See standard ratings table (120Hz)
ESR		See standard ratings table (100kHz)
Resistance to soldering heat		Test conditions: Soaking at 260˚C for 5 seconds

	SY6, SY7, SY8, SY9, SYF(A2, P), SYL series SK6, SK7, SK8, SK9, SKF(A2, P), SKL series	SY1, SY2, SY3, SY4, SY5 SK, SK2, SK3, SK4, SK5
Leakage current	The initial specified value or less	The initial specified value or less
Percentage of capacitance change	Within ±10% of initial value	Within ±5% of initial value
Tangent of loss angle	150% or less of the initial specified value	The initial specified value or less

Characteristics at high and low temperature		
	−55˚C	Percentage of capacitance change: Within −10 to 0% of the initial value Tangent of loss angle: See standard rating table
	+85˚C	Leakage current: Less than 0.1CV or 0.5μA, whichever is larger Percentage of capacitance change: Within 0 to 10% of the initial value Tangent of loss angle: See standard rating table
	+125˚C	Leakage current data have been measured at derated voltage* Leakage current: Less than 0.125CV or 6.25μA, whichever is larger Percentage of capacitance change: Within 0 to 15% of the initial value Tangent of loss angle: See standard rating table

Damp heat, steady state (Humidity)	SY6, SY7, SY8, SY9, SYF(A2, P), SYL series SK6, SK7, SK8, SK9, SKF(A2, P), SKL series	SY1, SY2, SY3, SY4, SY5 SK, SK2, SK3, SK4, SK5
Test conditions: Left at 40˚C under 90 to 95% RH for 500 hours		
Leakage current	The initial specified value or less	The initial specified value or less
Percentage of capacitance change	Within ±10% of initial value	Within ±10% of initial value
Tangent of loss angle	150% or less of the initial specified value	The initial specified value or less

Endurance (Load life)	
Test conditions: Rated voltage applied at 85˚C for 2000 hours;	
Leakage current	The initial specified value or less
Percentage of capacitance change	Within ±20% of the initial value
Tangent of loss angle	150% or less the initial value

Failure rate	less than 1% / 1000 hour (See Technical Note)
Others	Conforms to IEC 60384-3 : 1989 (JIS C5101-3 : 1998)

* Relation between the rated and the 125˚C category voltage.

Rated voltage(V)	2.5	4	6.3	10	16	20	25	35
125˚C category voltage(V)	1.6	2.5	4	6.3	10	13	16	22

Dimension Table

Rated capacitance (μF)	Symbol	2.5V e	4V G	6.3V J	10V A	16V C	20V D	25V E	35V V
0.1	104						A2		A
0.15	154						A2		A
0.22	224						A2		A
0.33	334					P	A2		A
0.47	474					P	A2	A2 A	A B
0.68	684				P	P	A2 A	A2 A	A B
1	105				P A2	P A	P A2 A	A2 A	A B
1.5	155			P A2	P A2 A	P A	A2 A	A B	A B C
2.2	225		A2	P A2 A	P A2 A	P A2 A	A2 A B	A B	B C
3.3	335		P A2 A	P A2 A	P A2 A	A2 A B	A B	B	B C
4.7	475	A2	P A2 A	P A2 A	P A2 A B	A2 A B	A B	B C	C D0
6.8	685	A2	P A2 A	P A2 A B	P A2 A B	A B	A B C	B C	C D0
10	106	A2	P A2 A B	P A2 A B	P A2 A B	A B C	B C	C D0	C D0
15	156	A2 A	P A2 A B	P A2 A B	A2 A B C	B C	C D0	C D0	D0
22	226	A2 A	P A2 A B	(P) A2 A B C	A B C	B C D0	C D0	D0	D0
33	336	P A2 A	(P) A2 A B C	A2 A B C	B C D0	C D0	D0	D0	
47	476	(P) A2 A	A2 A B C	A B C D0	B C D0	C D0	D0		
68	686	A B	A B C D0	B C D0	(B) C D0	D0			
100	107	A B	(A) B C D0	B C D0	C D0	D0			
150	157	B	B C D0	(B) C D0	(C) D0	(D0)			
220	227	B	B C D0	(C) D0	(D0)				
330	337		(B) (C) D0	D0					
470	477		D0	(D0)					
680	687		(D0)						

• ( ) are under development items.
When you need it, please contact to ELNA.

NOTE
Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.

Dimension Table

TANTALUM CHIP CAPACITORS (CHIPCON) ELNA®

Dimension Table

Rated voltage (V)	RV symbol	Cap. (μF)	Cap. symbol	Standard SY1 (SK)	Standard SY2 (SK2)	Standard SY3 (SK3)	Standard SY4 (SK4)	Miniaturized SY5 (SK5)	Miniaturized SY6 (SK6)	Miniaturized SY7 (SK7)	Miniaturized SY8 (SK8)	Ultra-miniaturized SY9 (SK9)	Ultra-miniaturized SY10 (SK10)	Low-profile SYF (SKF)	Low-profile SYF (SKF)
		3.3	335												
		4.7	475											A2	
		6.8	685											A2	
		10	106											A2	
		15	156			A								A2	
		22	226				A							A2	
		33	336					A						A2	P
2.5	0E	47	476						A					A2	(P)
		68	686					B		A					
		100	107						B		A				
		150	157							B					
		220	227								B				
		330	337												
		470	477												
		680	687												
		2.2	225											A2	
		3.3	335	A										A2	P
		4.7	475		A									A2	P
		6.8	685		A									A2	P
		10	106	B		A								A2	P
		15	156		B		A							A2	P
		22	226			B		A						A2	P
		33	336	C			B		A					A2	(P)
4	0G	47	476		C			B		A				A2	
		68	686	D0		C			B		A				
		100	107		D0		C			B		(A)			
		150	157			D0		C			B				
		220	227				D0		C			B			
		330	337					D0		(C)			(B)		
		470	477						D0						
		680	687							(D0)					
		1.0	105												
		1.5	155											A2	P
		2.2	225	A										A2	P
		3.3	335		A									A2	P
		4.7	475		A									A2	P
		6.8	685	B		A								A2	P
		10	106		B		A							A2	P
		15	156			B		A						A2	P
6.3	0J	22	226	C			B		A					A2	(P)
		33	336		C			B		A				A2	
		47	476	D0		C			B		A				
		68	686		D0		C			B					
		100	107			D0		C			B				
		150	157				D0		C			(B)			
		220	227					D0		(C)					
		330	337						D0						
		470	477							(D0)					
		0.68	684												P
		1.0	105											A2	P
		1.5	155	A										A2	P
		2.2	225		A									A2	P
		3.3	335		A									A2	P
		4.7	475	B		A								A2	P
		6.8	685		B		A							A2	P
		10	106			B		A						A2	P
10	1A	15	156	C			B		A					A2	
		22	226		C			B		A					
		33	336	D0		C			B						
		47	476		D0		C			B					
		68	686			D0		C			(B)				
		100	107				D0		C						
		150	157					D0		(C)					
		220	227						(D0)						
		330	337												
		0.33	334												P
		0.47	474												P
		0.68	684												P
		1.0	105	A											P
		1.5	155		A										P
		2.2	225		A									A2	P
		3.3	335	B		A								A2	
		4.7	475		B		A							A2	
16	1C	6.8	685		B			A							
		10	106	C			B		A						
		15	156		C			B							
		22	226	D0		C			B						
		33	336		D0		C								
		47	476			D0		C							
		68	686				D0								
		100	107					D0							
		150	157						(D0)						

Rated voltage (V)	RV symbol	Cap. (μF)	Cap. symbol	Standard SY1 (SK)	Standard SY2 (SK2)	Standard SY3 (SK3)	Standard SY4 (SK4)	Miniaturized SY5 (SK5)	Miniaturized SY6 (SK6)	Low profile SYF (SKF)	Low profile SYF (SKF)
		0.1	104							A2	
		0.15	154							A2	
		0.22	224							A2	
		0.33	334							A2	
		0.47	474							A2	
		0.68	684	A						A2	
		1.0	105		A					A2	P
		1.5	155		A					A2	
		2.2	225	B		A				A2	
20	1D	3.3	335		B		A				
		4.7	475			B		A			
		6.8	685	C			B		A		
		10	106		C			B			
		15	156	D0		C					
		22	226		D0		C				
		33	336			D0					
		47	476				D0				
		68	686								
		100	107								
		0.47	474	A						A2	
		0.68	684		A					A2	
		1.0	105		A					A2	
		1.5	155	B		A					
		2.2	225		B		A				
		3.3	335			B					
		4.7	475	C			B				
25	1E	6.8	685		C			B			
		10	106	D0		C					
		15	156		D0		C				
		22	226			D0					
		33	336				D0				
		47	476								
		68	686								
		0.1	104	A							
		0.15	154	A							
		0.22	224	A							
		0.33	334	A							
		0.47	474	B	A						
		0.68	684	B	A						
		1.0	105	B		A					
35	1V	1.5	155	C	B		A				
		2.2	225	C		B					
		3.3	335	C			B				
		4.7	475	D0	C						
		6.8	685	D0		C					
		10	106		D0		C				
		15	156			D0					
		22	226				D0				
		33	336								

• ( ) are under development items.
When you need it, please contact to ELNA.

• SKY series Which used Lead-Free plated terminal serves as standard.
(New development items used Lead-Free plated terminal only.)

Size Code

Size code	EIA code	Dimensions (mm) L x W x H		
P	2012	2.0	1.25	1.2
A2	3216L	3.2	1.6	1.2
A	3216	3.2	1.6	1.6
B	3528	3.5	2.8	1.9
C	6032	6.0	3.2	2.5
D0	7343	7.3	4.3	2.8

NOTE
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Ask factory for technical specifications before purchase and/or use.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 2.5V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, Ā)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55˚C	20˚C	85˚C	125˚C	E.S.R.(Ω) (less) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
2.5	4.7	e475	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0E475M-RA2	SKF-0E475M-RA2	3,000	*
	6.8	e685	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0E685M-RA2	SKF-0E685M-RA2	3,000	*
	10	e106	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	4.0	SYF-0E106M-RA2	SKF-0E106M-RA2	3,000	*
	15	e156	3216L	A2	SYF	0.50	0.18	0.12	0.16	0.18	4.0	SYF-0E156M-RA2	SKF-0E156M-RA2	3,000	*
	15	e156	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	4.0	SY3-0E156M-RA	SK3-0E156M-RA	2,000	*
	22	e226	3216L	A2	SYF	0.55	0.18	0.12	0.16	0.18	4.0	SYF-0E226M-RA2	SKF-0E226M-RA2	3,000	*
	22	e226	3216	A	SY4	0.55	0.12	0.08	0.10	0.12	2.0	SY4-0E226M-RA	SK4-0E226M-RA	2,000	*
	33	eN̄	2012	P	SYF	0.82	0.12	0.08	0.10	0.12	4.0	SYF-0E336M-RP	—	3,000	
	33	e336	3216L	A2	SYF	0.82	0.18	0.12	0.16	0.18	4.0	SYF-0E336M-RA2	SKF-0E336M-RA2	3,000	
	33	e336	3216	A	SY5	0.82	0.12	0.08	0.10	0.12	2.0	SY5-0E336M-RA	SK5-0E336M-RA	2,000	
	47	e476	3216L	A2	SYF	1.17	0.18	0.12	0.16	0.18	4.0	SYF-0E476M-RA2	SKF-0E476M-RA2	3,000	
	47	e476	3216	A	SY6	1.17	0.18	0.12	0.16	0.18	2.0	SY6-0E476M-RA	SK6-0E476M-RA	2,000	
	68	e686	3216	A	SY7	1.70	0.21	0.14	0.19	0.21	2.0	SY7-0E686M-RA	SK7-0E686M-RA	2,000	
	68	—	3528	B	SY5	1.70	0.12	0.08	0.10	0.12	1.0	SY5-0E686M-RB	SK5-0E686M-RB	2,000	*
	100	e107	3216	A	SY8	2.50	0.24	0.16	0.19	0.24	2.0	SY8-0E107M-RA	SK8-0E107M-RA	2,000	
	100	—	3528	B	SY6	2.50	0.12	0.08	0.10	0.12	1.0	SY6-0E107M-RB	SK6-0E107M-RB	2,000	
	150	—	3528	B	SY7	3.75	0.18	0.12	0.16	0.18	1.0	SY7-0E157M-RB	SK7-0E157M-RB	2,000	
	220	—	3528	B	SY8	5.50	0.27	0.18	0.23	0.27	1.0	SY8-0E227M-RB	SK8-0E227M-RB	2,000	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 4V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, A)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55°C	20°C	85°C	125°C	E.S.R. (Ω) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
	2.2	G225	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0G225M-RA2	SKF-0G225M-RA2	3,000	*
	3.3	GN	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-0G335M-RP	SKF-0G335M-RP	3,000	*
	3.3	G335	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0G335M-RA2	SKF-0G335M-RA2	3,000	*
	3.3	G335	3216	A	SY1	0.50	0.09	0.06	0.072	0.09	8.0	SY1-0G335M-RA	SK -0G335M-RA	2,000	*
	4.7	GS	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	5.5	SYF-0G475M-RP	SKF-0G475M-RP	3,000	*
	4.7	G475	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	5.0	SYF-0G475M-RA2	SKF-0G475M-RA2	3,000	*
	4.7	G475	3216	A	SY2	0.50	0.12	0.08	0.096	0.12	4.0	SY2-0G475M-RA	SK2-0G475M-RA	2,000	
	6.8	GW	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	5.5	SYF-0G685M-RP	SKF-0G685M-RP	3,000	*
	6.8	G685	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	4.0	SYF-0G685M-RA2	SKF-0G685M-RA2	3,000	*
	6.8	G685	3216	A	SY2	0.50	0.12	0.08	0.10	0.12	4.0	SY2-0G685M-RA	SK2-0G685M-RA	2,000	
	10	GĀ	2012	P	SYF	0.50	0.15	0.10	0.12	0.15	5.5	SYF-0G106M-RP	SKF-0G106M-RP	3,000	
	10	G106	3216L	A2	SYF	0.50	0.15	0.10	0.13	0.15	4.0	SYF-0G106M-RA2	SKF-0G106M-RA2	3,000	
	10	G106	3216	A	SY3	0.50	0.12	0.08	0.10	0.12	3.0	SY3-0G106M-RA	SK3-0G106M-RA	2,000	
	10	—	3528	B	SY1	0.50	0.09	0.06	0.072	0.09	2.5	SY1-0G106M-RB	SK -0G106M-RB	2,000	*
	15	GĒ	2012	P	SYF	0.60	0.15	0.10	0.12	0.15	4.5	SYF-0G156M-RP	SKF-0G156M-RP	3,000	
	15	G156	3216L	A2	SYF	0.60	0.15	0.10	0.13	0.15	4.0	SYF-0G156M-RA2	SKF-0G156M-RA2	3,000	
	15	G156	3216	A	SY4	0.60	0.12	0.08	0.10	0.12	3.0	SY4-0G156M-RA	SK4-0G156M-RA	2,000	
	15	—	3528	B	SY2	0.60	0.12	0.08	0.10	0.12	3.5	SY2-0G156M-RB	SK2-0G156M-RB	2,000	*
	22	GJ̄	2012	P	SYF	0.88	0.15	0.10	0.12	0.15	4.0	SYF-0G226M-RP	SKF-0G226M-RP	3,000	
	22	G226	3216L	A2	SYF	0.88	0.18	0.12	0.16	0.18	4.0	SYF-0G226M-RA2	SKF-0G226M-RA2	3,000	
	22	G226	3216	A	SY5	0.88	0.12	0.08	0.10	0.12	2.5	SY5-0G226M-RA	SK5-0G226M-RA	2,000	
4	22	—	3528	B	SY3	0.88	0.09	0.06	0.08	0.09	1.5	SY3-0G226M-RB	SK3-0G226M-RB	2,000	
	33	G336	3216L	A2	SYF	1.32	0.18	0.12	0.16	0.18	2.8	SYF-0G336M-RA2	SKF-0G336M-RA2	3,000	
	33	G336	3216	A	SY6	1.32	0.15	0.10	0.12	0.15	2.5	SY6-0G336M-RA	SK6-0G336M-RA	2,000	
	33	—	3528	B	SY4	1.32	0.12	0.08	0.10	0.12	1.5	SY4-0G336M-RB	SK4-0G336M-RB	2,000	
	33	—	6032	C	SY1	1.32	0.09	0.06	0.072	0.09	2.2	SY1-0G336M-RC	SK -0G336M-RC	500	*
	47	G476	3216L	A2	SYF	1.88	0.24	0.16	0.19	0.24	2.8	SYF-0G476M-RA2	—	3,000	
	47	G476	3216	A	SY7	1.88	0.15	0.10	0.13	0.15	2.5	SY7-0G476M-RA	SK7-0G476M-RA	2,000	
	47	—	3528	B	SY5	1.88	0.12	0.08	0.10	0.12	1.5	SY5-0G476M-RB	SK5-0G476M-RB	2,000	
	47	—	6032	C	SY2	1.88	0.12	0.06	0.08	0.12	1.0	SY2-0G476M-RC	SK2-0G476M-RC	500	
	68	G686	3216	A	SY8	2.72	0.24	0.16	0.19	0.24	2.0	SY8-0G686M-RA	SK8-0G686M-RA	2,000	
	68	—	3528	B	SY6	2.72	0.12	0.08	0.10	0.12	1.5	SY6-0G686M-RB	SK6-0G686M-RB	2,000	
	68	—	6032	C	SY3	2.72	0.09	0.06	0.08	0.09	1.0	SY3-0G686M-RC	SK3-0G686M-RC	500	
	68	—	7343	D0	SY1	2.72	0.09	0.06	0.072	0.09	0.7	SY1-0G686M-RD0	SK -0G686M-RD0	500	
	100	—	3528	B	SY7	4.00	0.15	0.10	0.13	0.15	1.0	SY7-0G107M-RB	SK7-0G107M-RB	2,000	
	100	—	6032	C	SY4	4.00	0.12	0.08	0.10	0.12	1.5	SY4-0G107M-RC	SK4-0G107M-RC	500	
	100	—	7343	D0	SY2	4.00	0.12	0.08	0.10	0.12	0.8	SY2-0G107M-RD0	SK2-0G107M-RD0	500	*
	150	—	3528	B	SY8	6.00	0.24	0.16	0.19	0.24	1.0	SY8-0G157M-RB	SK8-0G157M-RB	2,000	
	150	—	6032	C	SY5	6.00	0.15	0.10	0.13	0.15	1.3	SY5-0G157M-RC	SK5-0G157M-RC	500	
	150	—	7343	D0	SY3	6.00	0.12	0.08	0.10	0.12	0.8	SY3-0G157M-RD0	SK3-0G157M-RD0	500	
	220	—	3528	B	SY9	88.00	0.27	0.18	0.23	0.27	1.0	SY9-0G227M-RB	SK9-0G227M-RB	2,000	
	220	—	6032	C	SY6	8.80	0.18	0.12	0.15	0.18	1.3	SY6-0G227M-RC	SK6-0G227M-RC	500	
	220	—	7343	D0	SY4	8.80	0.12	0.08	0.10	0.12	1.0	SY4-0G227M-RD0	SK4-0G227M-RD0	500	
	330	—	7343	D0	SY5	13.2	0.21	0.14	0.18	0.21	1.0	SY5-0G337M-RD0	SK5-0G337M-RD0	500	
	470	—	7343	D0	SY6	18.8	0.24	0.16	0.21	0.24	0.7	SY6-0G477M-RD0	SK6-0G477M-RD0	500	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 6.3V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, A)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55°C	20°C	85°C	125°C	E.S.R. (Ω) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
6.3	1.5	J E	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-0J155M-RP	SKF-0J155M-RP	3,000	
	1.5	J155	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0J155M-RA2	SKF-0J155M-RA2	3,000	
	2.2	J J	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-0J225M-RP	SKF-0J225M-RP	3,000	
	2.2	J225	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0J225M-RA2	SKF-0J225M-RA2	3,000	
	2.2	J225	3216	A	SY1	0.50	0.09	0.06	0.072	0.09	8.0	SY1-0J225M-RA	SK -0J225M-RA	2,000	*
	3.3	JN6	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-0J335M-RP	SKF-0J335M-RP	3,000	
	3.3	J335	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-0J335M-RA2	SKF-0J335M-RA2	3,000	
	3.3	J335	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	7.0	SY2-0J335M-RA	SK2-0J335M-RA	2,000	
	4.7	J S	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	6.0	SYF-0J475M-RP	SKF-0J475M-RP	3,000	
	4.7	J475	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	4.0	SYF-0J475M-RA2	SKF-0J475M-RA2	3,000	
	4.7	J475	3216	A	SY2	0.50	0.09	0.06	0.10	0.09	4.0	SY2-0J475M-RA	SK2-0J475M-RA	2,000	
	6.8	J W	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	6.0	SYF-0J685M-RP	SKF-0J685M-RP	3,000	
	6.8	J685	3216L	A2	SYF	0.50	0.15	0.10	0.13	0.15	4.0	SYF-0J685M-RA2	SKF-0J685M-RA2	3,000	
	6.8	J685	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	3.5	SY3-0J685M-RA	SK3-0J685M-RA	2,000	
	6.8	—	3528	B	SY1	0.50	0.09	0.06	0.072	0.09	3.0	SY1-0J685M-RB	SK -0J685M-RB	2,000	*
	10	J Ā	2012	P	SYF	0.63	0.15	0.10	0.12	0.15	6.0	SYF-0J106M-RP	SKF-0J106M-RP	3,000	
	10	J106	3216L	A2	SYF	0.63	0.12	0.08	0.10	0.12	4.0	SYF-0J106M-RA2	SKF-0J106M-RA2	3,000	
	10	J106	3216	A	SY4	0.63	0.12	0.08	0.10	0.12	3.0	SY4-0J106M-RA	SK4-0J106M-RA	2,000	
	10	—	3528	B	SY2	0.63	0.09	0.06	0.08	0.09	3.0	SY2-0J106M-RB	SK2-0J106M-RB	2,000	
	15	J Ē	2012	P	SYF	0.94	0.24	0.16	0.19	0.24	5.0	SYF-0J156M-RP	—	3,000	
	15	J156	3216L	A2	SYF	0.94	0.18	0.12	0.16	0.18	4.0	SYF-0J156M-RA2	SKF-0J156M-RA2	3,000	
	15	J156	3216	A	SY5	0.94	0.12	0.08	0.10	0.12	3.0	SY5-0J156M-RA	SK5-0J156M-RA	2,000	
	15	—	3528	B	SY3	0.94	0.09	0.06	0.08	0.09	2.0	SY3-0J156M-RB	SK3-0J156M-RB	2,000	
	22	J226	3216L	A2	SYF	1.38	0.21	0.14	0.18	0.21	2.8	SYF-0J226M-RA2	SKF-0J226M-RA2	3,000	
	22	J226	3216	A	SY6	1.38	0.15	0.10	0.13	0.15	2.5	SY6-0J226M-RA	SK6-0J226M-RA	2,000	
	22	—	3528	B	SY4	1.38	0.12	0.08	0.10	0.12	1.5	SY4-0J226M-RB	SK4-0J226M-RB	2,000	
	22	—	6032	C	SY1	1.38	0.09	0.06	0.072	0.09	1.0	SY1-0J226M-RC	SK -0J226M-RC	500	*
	33	J336	3216L	A2	SYF	2.07	0.24	0.16	0.19	0.24	2.8	SYF-0J336M-RA2	—	3,000	
	33	J336	3216	A	SY7	2.07	0.15	0.10	0.13	0.15	2.5	SY7-0J336M-RA	SK7-0J336M-RA	2,000	
	33	—	3528	B	SY5	2.07	0.12	0.08	0.10	0.12	1.5	SY5-0J336M-RB	SK5-0J336M-RB	2,000	
	33	—	6032	C	SY2	2.07	0.09	0.06	0.08	0.09	1.0	SY2-0J336M-RC	SK2-0J336M-RC	500	
	47	J476	3216	A	SY8	2.96	0.24	0.16	0.19	0.24	2.0	SY8-0J476M-RA	SK8-0J476M-RA	2,000	
	47	—	3528	B	SY6	2.96	0.15	0.10	0.13	0.15	1.0	SY6-0J476M-RB	SK6-0J476M-RB	2,000	
	47	—	6032	C	SY3	2.96	0.09	0.06	0.08	0.09	1.0	SY3-0J476M-RC	SK3-0J476M-RC	500	
	47	—	7343	D0	SY1	2.96	0.09	0.06	0.072	0.09	0.7	SY1-0J476M-RD0	SK -0J476M-RD0	500	*
	68	—	3528	B	SY7	4.28	0.15	0.10	0.13	0.15	1.0	SY7-0J686M-RB	SK7-0J686M-RB	2,000	
	68	—	6032	C	SY4	4.28	0.12	0.08	0.10	0.12	1.5	SY4-0J686M-RC	SK4-0J686M-RC	500	
	68	—	7343	D0	SY2	4.28	0.09	0.06	0.08	0.09	0.8	SY2-0J686M-RD0	SK2-0J686M-RD0	500	*
	100	—	3528	B	SY8	6.30	0.18	0.12	0.15	0.18	1.0	SY8-0J107M-RB	SK8-0J107M-RB	2,000	
	100	—	6032	C	SY5	6.30	0.15	0.10	0.13	0.15	1.3	SY5-0J107M-RC	SK5-0J107M-RC	500	
	100	—	7343	D0	SY3	6.30	0.12	0.08	0.10	0.12	0.8	SY3-0J107M-RD0	SK3-0J107M-RD0	500	
	150	—	6032	C	SY6	9.45	0.18	0.12	0.15	0.18	1.3	SY6-0J157M-RC	SK6-0J157M-RC	500	
	150	—	7343	D0	SY4	9.45	0.12	0.08	0.10	0.12	1.0	SY4-0J157M-RD0	SK4-0J157M-RD0	500	
	220	—	7343	D0	SY5	13.90	0.18	0.12	0.16	0.18	0.7	SY5-0J227M-RD0	SK5-0J227M-RD0	500	
	330	—	7343	D0	SY6	20.80	0.24	0.16	0.20	0.24	0.7	SY6-0J337M-RD0	SK6-0J337M-RD0	500	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.

NOTE
Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 10V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, A)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55°C	20°C	85°C	125°C	E.S.R. (Ω) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
10	0.68	AW	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	28.0	SYF-1A684M-RP	SKF-1A684M-RP	3,000	
	1.0	AA	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-1A105M-RP	SKF-1A105M-RP	3,000	
	1.0	A105	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	8.0	SYF-1A105M-RA2	SKF-1A105M-RA2	3,000	
	1.5	AE	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-1A155M-RP	SKF-1A155M-RP	3,000	
	1.5	A155	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-1A155M-RA2	SKF-1A155M-RA2	3,000	
	1.5	A155	3216	A	SY1	0.50	0.09	0.06	0.072	0.09	8.0	SY1-1A155M-RA	SK -1A155M-RA	2,000	*
	2.2	A J	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-1A225M-RP	SKF-1A225M-RP	3,000	
	2.2	A225	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-1A225M-RA2	SKF-1A225M-RA2	3,000	
	2.2	A225	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	7.0	SY2-1A225M-RA	SK2-1A225M-RA	2,000	
	3.3	AN	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	10.0	SYF-1A335M-RP	SKF-1A335M-RP	3,000	
	3.3	A335	3216L	A2	SYF	0.50	0.12	0.08	0.10	0.12	8.0	SYF-1A335M-RA2	SKF-1A335M-RA2	3,000	
	3.3	A335	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	5.0	SY2-1A335M-RA	SK2-1A335M-RA	2,000	
	4.7	AS	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	6.0	SYF-1A475M-RP	SKF-1A475M-RP	3,000	
	4.7	A475	3216L	A2	SYF	0.50	0.12	0.08	0.096	0.12	4.0	SYF-1A475M-RA2	SKF-1A475M-RA2	3,000	
	4.7	A475	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	4.5	SY3-1A475M-RA	SK3-1A475M-RA	2,000	
	4.7	—	3528	B	SY1	0.50	0.09	0.06	0.072	0.09	3.0	SY1-1A475M-RB	SK -1A475M-RB	2,000	*
	6.8	AW	2012	P	SYF	0.68	0.15	0.10	0.13	0.15	6.0	SYF-1A685M-RP	—	3,000	
	6.8	A685	3216L	A2	SYF	0.68	0.12	0.08	0.096	0.12	4.0	SYF-1A685M-RA2	SKF-1A685M-RA2	3,000	
	6.8	A685	3216	A	SY4	0.68	0.09	0.06	0.08	0.09	3.0	SY4-1A685M-RA	SK4-1A685M-RA	2,000	
	6.8	—	3528	B	SY2	0.68	0.09	0.06	0.08	0.09	3.0	SY2-1A685M-RB	SK2-1A685M-RB	2,000	*
	10	AA	2012	P	SYF	1.00	0.21	0.14	0.18	0.21	6.0	SYF-1A106M-RP	—	3,000	
	10	A106	3216L	A2	SYF	1.00	0.12	0.08	0.096	0.12	4.0	SYF-1A106M-RA2	SKF-1A106M-RA2	3,000	
	10	A106	3216	A	SY5	1.00	0.12	0.08	0.10	0.12	3.0	SY5-1A106M-RA	SK5-1A106M-RA	2,000	
	10	—	3528	B	SY3	1.00	0.09	0.06	0.08	0.09	2.0	SY3-1A106M-RB	SK3-1A106M-RB	2,000	
	15	A156	3216L	A2	SYF	1.50	0.24	0.12	0.15	0.25	4.0	SY6-1A156M-RA2	—	3,000	
	15	A156	3216	A	SY6	1.50	0.15	0.10	0.13	0.15	3.0	SY6-1A156M-RA	SK6-1A156M-RA	2,000	
	15	—	3528	B	SY4	1.50	0.09	0.06	0.08	0.09	2.0	SY4-1A156M-RB	SK4-1A156M-RB	2,000	
	15	—	6032	C	SY1	1.50	0.09	0.06	0.072	0.09	1.0	SY1-1A156M-RC	SK -1A156M-RC	500	*
	22	A226	3216	A	SY7	2.20	0.18	0.12	0.16	0.18	2.5	SY7-1A226M-RA	SK7-1A226M-RA	2,000	
	22	—	3528	B	SY5	2.20	0.12	0.08	0.10	0.12	2.0	SY5-1A226M-RB	SK5-1A226M-RB	2,000	
	22	—	6032	C	SY2	2.20	0.09	0.06	0.08	0.09	1.0	SY2-1A226M-RC	SK2-1A226M-RC	500	
	33	—	3528	B	SY6	3.30	0.12	0.08	0.10	0.12	1.5	SY6-1A336M-RB	SK6-1A336M-RB	2,000	
	33	—	6032	C	SY3	3.30	0.09	0.06	0.08	0.09	1.0	SY3-1A336M-RC	SK3-1A336M-RC	500	
	33	—	7343	D0	SY1	3.30	0.09	0.06	0.072	0.09	0.7	SY1-1A336M-RD0	SK -1A336M-RD0	500	*
	47	—	3528	B	SY7	4.70	0.15	0.10	0.13	0.15	1.0	SY7-1A476M-RB	SK7-1A476M-RB	2,000	
	47	—	6032	C	SY4	4.70	0.09	0.06	0.08	0.09	1.5	SY4-1A476M-RC	SK4-1A476M-RC	500	
	47	—	7343	D0	SY2	4.70	0.09	0.06	0.08	0.09	0.8	SY2-1A476M-RD0	SK2-1A476M-RD0	500	
	68	—	6032	C	SY5	6.80	0.12	0.08	0.10	0.12	1.3	SY5-1A686M-RC	SK5-1A686M-RC	500	
	68	—	7343	D0	SY3	6.80	0.09	0.06	0.08	0.09	0.8	SY3-1A686M-RD0	SK3-1A686M-RD0	500	
	100	—	6032	C	SY6	10.00	0.15	0.10	0.13	0.15	1.3	SY6-1A107M-RC	SK6-1A107M-RC	500	
	100	—	7343	D0	SY4	10.00	0.12	0.08	0.10	0.12	1.0	SY4-1A107M-RD0	SK4-1A107M-RD0	500	
	150	—	7343	D0	SY5	15.00	0.15	0.10	0.13	0.15	0.7	SY5-1A157M-RD0	SK5-1A157M-RD0	500	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 16V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, Ā)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55˚C	20˚C	85˚C	125˚C	E.S.R. (Ω) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
16	0.33	CN	2012	P	SYF	0.50	0.09	0.06	0.072	0.09	28.0	SYF-1C334M-RP	SKF-1C334M-RP	3,000	
	0.47	CS	2012	P	SYF	0.50	0.09	0.06	0.072	0.09	28.0	SYF-1C474M-RP	SKF-1C474M-RP	3,000	
	0.68	CW	2012	P	SYF	0.50	0.09	0.06	0.072	0.09	28.0	SYF-1C684M-RP	SKF-1C684M-RP	3,000	
	1.0	CA	2012	P	SYF	0.50	0.09	0.06	0.072	0.09	25.0	SYF-1C105M-RP	SKF-1C105M-RP	3,000	
	1.0	C105	3216	A	SY1	0.50	0.09	0.05	0.072	0.09	7.0	SY1-1C105M-RA	SK -1C105M-RA	2,000	
	1.5	CE	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	20.0	SYF-1C155M-RP	SKF-1C155M-RP	3,000	
	1.5	C155	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	7.0	SY2-1C155M-RA	SK2-1C155M-RA	2,000	
	2.2	C J	2012	P	SYF	0.50	0.12	0.08	0.096	0.12	20.0	SYF-1C225M-RP	SKF-1C225M-RP	3,000	
	2.2	C225	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	8.0	SYF-1C225M-RA2	SKF-1C225M-RA2	3,000	
	2.2	C225	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	5.0	SY2-1C225M-RA	SK2-1C225M-RA	2,000	
	3.3	C335	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	6.0	SYF-1C335M-RA2	SKF-1C335M-RA2	3,000	
	3.3	C335	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	4.5	SY3-1C335M-RA	SK3-1C335M-RA	2,000	
	3.3	—	3528	B	SY1	0.50	0.09	0.06	0.072	0.09	3.0	SY1-1C335M-RB	SK -1C335M-RB	2,000	*
	4.7	C475	3216L	A2	SYF	0.75	0.09	0.06	0.08	0.09	6.0	SYF-1C475M-RA2	—	3,000	
	4.7	C475	3216	A	SY4	0.75	0.09	0.06	0.08	0.09	4.0	SY4-1C475M-RA	SK4-1C475M-RA	2,000	
	4.7	—	3528	B	SY2	0.75	0.09	0.06	0.08	0.09	3.0	SY2-1C475M-RB	SK2-1C475M-RB	2,000	*
	6.8	C685	3216	A	SY5	1.08	0.12	0.08	0.10	0.12	3.5	SY5-1C685M-RA	SK5-1C685M-RA	2,000	
	6.8	—	3528	B	SY3	1.08	0.09	0.06	0.08	0.09	2.5	SY3-1C685M-RB	SK3-1C685M-RB	2,000	
	10	C106	3216	A	SY6	1.60	0.12	0.08	0.10	0.12	3.0	SY6-1C106M-RA	SK6-1C106M-RA	2,000	
	10	—	3528	B	SY4	1.60	0.09	0.06	0.08	0.09	2.0	SY4-1C106M-RB	SK4-1C106M-RB	2,000	
	10	—	6032	C	SY1	1.60	0.09	0.06	0.072	0.09	2.2	SY1-1C106M-RC	SK -1C106M-RC	500	*
	15	—	3528	B	SY5	2.40	0.09	0.06	0.08	0.09	2.0	SY5-1C156M-RB	SK5-1C156M-RB	2,000	
	15	—	6032	C	SY2	2.40	0.09	0.06	0.08	0.09	2.0	SY2-1C156M-RC	SK2-1C156M-RC	500	*
	22	—	3528	B	SY6	3.52	0.12	0.06	0.10	0.12	1.5	SY6-1C226M-RB	SK6-1C226M-RB	2,000	
	22	—	6032	C	SY3	3.52	0.09	0.06	0.08	0.09	1.0	SY3-1C226M-RC	SK3-1C226M-RC	500	
	22	—	7343	D0	SY1	3.52	0.09	0.06	0.072	0.09	0.7	SY1-1C226M-RD0	SK -1C226M-RD0	500	*
	33	—	6032	C	SY4	5.28	0.09	0.06	0.08	0.09	1.5	SY4-1C336M-RC	SK4-1C336M-RC	500	
	33	—	7343	D0	SY2	5.28	0.09	0.06	0.08	0.09	1.0	SY2-1C336M-RD0	SK2-1C336M-RD0	500	*
	47	—	6032	C	SY5	7.52	0.12	0.08	0.10	0.12	1.3	SY5-1C476M-RC	SK5-1C476M-RC	500	
	47	—	7343	D0	SY3	7.52	0.09	0.06	0.08	0.09	1.0	SY3-1C476M-RD0	SK3-1C476M-RD0	500	
	68	—	7343	D0	SY4	10.80	0.09	0.06	0.08	0.09	1.0	SY4-1C686M-RD0	SK4-1C686M-RD0	500	
	100	—	7343	D0	SY5	16.00	0.15	0.10	0.13	0.15	0.7	SY5-1C107M-RD0	SK5-1C107M-RD0	500	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 20V, 25V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, A)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55°C	20°C	85°C	125°C	E.S.R. (Ω) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
20	0.10	D104	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	28.0	SYF-1D104M-RA2	SKF-1D104M-RA2	3,000	
	0.15	D154	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	25.0	SYF-1D154M-RA2	SKF-1D154M-RA2	3,000	
	0.22	D224	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	23.0	SYF-1D224M-RA2	SKF-1D224M-RA2	3,000	
	0.33	D334	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	20.0	SYF-1D334M-RA2	SKF-1D334M-RA2	3,000	
	0.47	D474	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	15.0	SYF-1D474M-RA2	SKF-1D474M-RA2	3,000	
	0.68	D684	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	14.0	SYF-1D684M-RA2	SKF-1D684M-RA2	3,000	
	0.68	D684	3216	A	SY1	0.50	0.09	0.04	0.06	0.09	10.0	SY1-1D684M-RA	SK -1D684M-RA	2,000	*
	1.0	DA	2012	P	SYF	0.50	0.15	0.10	0.13	0.15	20.0	SYF-1D105M-RP	—	3,000	
	1.0	D105	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	10.0	SYF-1D105M-RA2	SKF-1D105M-RA2	3,000	
	1.0	D105	3216	A	SY2	0.50	0.09	0.05	0.06	0.09	7.5	SY2-1D105M-RA	SK2-1D105M-RA	2,000	
	1.5	D155	3216L	A2	SYF	0.50	0.09	0.05	0.08	0.09	9.0	SYF-1D155M-RA2	SKF-1D155M-RA2	3,000	
	1.5	D155	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	6.0	SY2-1D155M-RA	SK2-1D155M-RA	2,000	
	2.2	D225	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	7.0	SYF-1D225M-RA2	—	3,000	
	2.2	D225	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	5.0	SY3-1D225M-RA	SK3-1D225M-RA	2,000	
	2.2	—	3528	B	SY1	0.50	0.09	0.06	0.072	0.09	5.0	SY1-1D225M-RB	SK -1D225M-RB	2,000	*
	3.3	D335	3216	A	SY4	0.66	0.09	0.06	0.08	0.09	4.0	SY4-1D335M-RA	SK4-1D335M-RA	2,000	
	3.3	—	3528	B	SY2	0.66	0.09	0.06	0.08	0.09	3.8	SY2-1D335M-RB	SK2-1D335M-RB	2,000	
	4.7	D475	3216	A	SY5	0.94	0.09	0.06	0.08	0.09	4.0	SY5-1D475M-RA	SK5-1D475M-RA	2,000	
	4.7	—	3528	B	SY3	0.94	0.09	0.06	0.08	0.09	3.0	SY3-1D475M-RB	SK3-1D475M-RB	2,000	
	6.8	D685	3216	A	SY6	1.36	0.12	0.08	0.10	0.12	4.0	SY6-1D685M-RA	—	2,000	
	6.8	—	3528	B	SY4	1.36	0.09	0.06	0.08	0.09	3.0	SY4-1D685M-RB	SK4-1D685M-RB	2,000	
	6.8	—	6032	C	SY1	1.36	0.09	0.06	0.072	0.09	2.5	SY1-1D685M-RC	SK -1D685M-RC	500	*
	10	—	3528	B	SY5	2.00	0.09	0.06	0.08	0.09	2.0	SY5-1D106M-RB	SK5-1D106M-RB	2,000	
	10	—	6032	C	SY2	2.00	0.09	0.06	0.08	0.09	2.5	SY2-1D106M-RC	SK2-1D106M-RC	500	
	15	—	6032	C	SY3	3.00	0.09	0.06	0.08	0.09	2.0	SY3-1D156M-RC	SK3-1D156M-RC	500	
	15	—	7343	D0	SY1	3.00	0.09	0.06	0.072	0.09	2.0	SY1-1D156M-RD0	SK -1D156M-RD0	500	*
	22	—	6032	C	SY4	4.40	0.09	0.06	0.08	0.09	1.5	SY4-1D226M-RC	SK4-1D226M-RC	500	
	22	—	7343	D0	SY2	4.40	0.09	0.06	0.08	0.09	1.0	SY2-1D226M-RD0	SK2-1D226M-RD0	500	
	33	—	7343	D0	SY3	6.60	0.09	0.06	0.08	0.09	1.0	SY3-1D336M-RD0	SK3-1D336M-RD0	500	
	47	—	7343	D0	SY4	9.40	0.09	0.06	0.08	0.09	1.0	SY4-1D476M-RD0	SK4-1D476M-RD0	500	
25	0.47	E474	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	15.0	SYF-1E474M-RA2	—	3,000	
	0.47	E474	3216	A	SY1	0.50	0.09	0.05	0.06	0.09	10.0	SY1-1E474M-RA	SK -1E474M-RA	2,000	
	0.68	E684	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	14.0	SYF-1E684M-RA2	—	3,000	
	0.68	E684	3216	A	SY2	0.50	0.09	0.05	0.06	0.09	7.0	SY2-1E684M-RA	SK2-1E684M-RA	2,000	
	1.0	E105	3216L	A2	SYF	0.50	0.09	0.06	0.08	0.09	13.0	SYF-1E105M-RA2	—	3,000	
	1.0	E105	3216	A	SY2	0.50	0.09	0.06	0.08	0.09	7.0	SY2-1E105M-RA	SK2-1E105M-RA	2,000	
	1.5	E155	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	6.5	SY3-1E155M-RA	SK3-1E155M-RA	2,000	
	1.5	—	3528	B	SY1	0.50	0.09	0.06	0.072	0.09	5.0	SY1-1E155M-RB	SK -1E155M-RB	2,000	
	2.2	E225	3216	A	SY4	0.55	0.09	0.06	0.08	0.09	6.0	SY4-1E225M-RA	SK4-1E225M-RA	2,000	*
	2.2	—	3528	B	SY2	0.55	0.09	0.06	0.08	0.09	5.0	SY2-1E225M-RB	SK2-1E225M-RB	2,000	
	3.3	—	3528	B	SY3	0.82	0.09	0.06	0.08	0.09	4.0	SY3-1E335M-RB	SK3-1E335M-RB	2,000	
	4.7	—	3528	B	SY4	1.17	0.09	0.06	0.08	0.09	3.5	SY4-1E475M-RB	SK4-1E475M-RB	2,000	
	4.7	—	6032	C	SY1	1.17	0.09	0.06	0.072	0.09	2.5	SY1-1E475M-RC	SK -1E475M-RC	500	
	6.8	—	3528	B	SY5	1.70	0.12	0.08	0.10	0.12	2.0	SY5-1E685M-RB	SK5-1E685M-RB	2,000	
	6.8	—	6032	C	SY2	1.70	0.09	0.06	0.08	0.09	2.0	SY2-1E685M-RC	SK2-1E685M-RC	500	
	10	—	6032	C	SY3	2.50	0.09	0.06	0.08	0.09	1.5	SY3-1E106M-RC	SK3-1E106M-RC	500	
	10	—	7343	D0	SY1	2.50	0.09	0.06	0.072	0.09	1.2	SY1-1E106M-RD0	SK -1E106M-RD0	500	
	15	—	6032	C	SY4	3.75	0.09	0.06	0.06	0.09	1.0	SY4-1E156M-RC	SK4-1E156M-RC	500	
	15	—	7343	D0	SY2	3.75	0.09	0.06	0.08	0.09	1.0	SY2-1E156M-RD0	SK2-1E156M-RD0	500	
	22	—	7343	D0	SY3	5.50	0.09	0.06	0.08	0.09	1.0	SY3-1E226M-RD0	SK3-1E226M-RD0	500	
	33	—	7343	D0	SY4	8.25	0.09	0.06	0.08	0.09	1.0	SY4-1E336M-RD0	SK4-1E336M-RD0	500	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.

Resin Molded Chip Type Capacitors Series SY1, SY2, SY3, SY4, SY5, SY6, SY7, SY8, SY9 & SYF

Standard Ratings Rated Voltage 35V

Rated voltage (V)	Capacitance (μF) (120Hz)	Marking (P, A2, Ā)	EIA size code	ELNA size code	ELNA series code	Leakage current (μA, or less)	Tangent of the loss angle (less)(120Hz) –55˚C	20˚C	85˚C	125˚C	E.S.R. (Ω) (100kHz)	Environmental Type ELNA Part No.	Former Type ELNA Part No.	Taping Minimum packing pcs. (pcs/reel)	note
35	0.10	V104	3216	A	SY1	0.50	0.09	0.05	0.08	0.09	28.0	SY1-1V104M-RA	SK -1V104M-RA	2,000	
	0.15	V154	3216	A	SY1	0.50	0.09	0.05	0.08	0.09	24.0	SY1-1V154M-RA	SK -1V154M-RA	2,000	
	0.22	V224	3216	A	SY1	0.50	0.09	0.05	0.08	0.09	20.0	SY1-1V224M-RA	SK -1V224M-RA	2,000	
	0.33	V334	3216	A	SY1	0.50	0.09	0.05	0.08	0.09	15.0	SY1-1V334M-RA	SK -1V334M-RA	2,000	
	0.47	V474	3216	A	SY2	0.50	0.09	0.05	0.08	0.09	11.0	SY2-1V474M-RA	SK2-1V474M-RA	2,000	
	0.47	—	3528	B	SY1	0.50	0.09	0.04	0.06	0.09	11.0	SY1-1V474M-RB	SK -1V474M-RB	2,000	
	0.68	V684	3216	A	SY2	0.50	0.09	0.04	0.06	0.09	8.0	SY2-1V684M-RA	SK2-1V684M-RA	2,000	
	0.68	—	3528	B	SY1	0.50	0.09	0.04	0.06	0.09	8.0	SY1-1V684M-RB	SK -1V684M-RB	2,000	
	1.0	V105	3216	A	SY3	0.50	0.09	0.06	0.08	0.09	7.0	SY3-1V105M-RA	SK3-1V105M-RA	2,000	
	1.0	—	3528	B	SY1	0.50	0.09	0.04	0.06	0.09	6.0	SY1-1V105M-RB	SK -1V105M-RB	2,000	
	1.5	V155	3216	A	SY4	0.52	0.09	0.06	0.08	0.09	4.0	SY4-1V155M-RA	SK4-1V155M-RA	2,000	
	1.5	—	3528	B	SY2	0.52	0.09	0.06	0.08	0.09	5.0	SY2-1V155M-RB	SK2-1V155M-RB	2,000	
	1.5	—	6032	C	SY1	0.52	0.09	0.06	0.072	0.09	4.5	SY1-1V155M-RC	SK -1V155M-RC	500	
	2.2	—	3528	B	SY3	0.77	0.09	0.06	0.08	0.09	4.0	SY3-1V225M-RB	SK3-1V225M-RB	2,000	
	2.2	—	6032	C	SY1	0.77	0.09	0.06	0.072	0.09	3.5	SY1-1V225M-RC	SK -1V225M-RC	500	
	3.3	—	3528	B	SY4	1.15	0.09	0.06	0.08	0.09	4.0	SY4-1V335M-RB	SK4-1V335M-RB	2,000	
	3.3	—	6032	C	SY1	1.15	0.09	0.06	0.072	0.09	3.0	SY1-1V335M-RC	SK -1V335M-RC	500	
	4.7	—	6032	C	SY2	1.64	0.09	0.06	0.08	0.09	2.0	SY2-1V475M-RC	SK2-1V475M-RC	500	
	4.7	—	7343	D0	SY1	1.64	0.09	0.06	0.072	0.09	1.5	SY1-1V475M-RD0	SK -1V475M-RD0	500	
	6.8	—	6032	C	SY3	2.38	0.09	0.06	0.08	0.09	2.3	SY3-1V685M-RC	SK3-1V685M-RC	500	
	6.8	—	7343	D0	SY1	2.38	0.09	0.06	0.072	0.09	1.3	SY1-1V685M-RD0	SK -1V685M-RD0	500	
	10	—	6032	C	SY4	3.50	0.09	0.06	0.072	0.09	1.5	SY4-1V106M-RC	SK4-1V106M-RC	500	
	10	—	7343	D0	SY2	3.50	0.09	0.06	0.08	0.09	1.0	SY2-1V106M-RD0	SK2-1V106M-RD0	500	
	15	—	7343	D0	SY3	5.25	0.09	0.06	0.08	0.09	1.0	SY3-1V156M-RD0	SK3-1V156M-RD0	500	
	22	—	7343	D0	SY4	7.70	0.12	0.08	0.10	0.12	0.7	SY4-1V226M-RD0	SK4-1V226M-RD0	500	

The asterisk in the Remarks row indicates the reduced frequency of manufacture due to miniaturization, etc.
For new design, it is recommended to choose a smaller product with a higher voltage and same capacity.