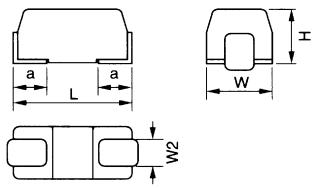


**SK, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SKF Chip Type Tantalum Electrolytic Capacitors (CHIPCON®)****Series SK, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SKF Chip Type Tantalum Electrolytic Capacitors.**

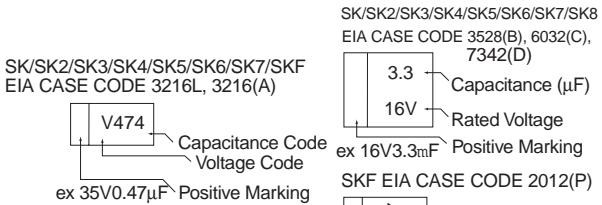
- Ultra miniature resin mold chip type.
- 260°C, 5 sec. dip soldering, and 240°C reflow soldering possible.
- For automatic insertion by being taped.

Photo

**■ Outline Drawing**

Unit: mm

EIA CASE CODE	$L \pm 0.2$	$W \pm 0.2$	$H \pm 0.2$	$W_2 \pm 0.1$	$a \pm 0.3$
2012 (P)	2.0	1.25	1.2	0.9	0.5
3216L	3.2	1.6	1.2	1.2	0.8
3216 (A)	3.2	1.6	1.6	1.2	0.8
3528 (B)	3.4	2.8	1.9	2.2	0.8
6032 (C)	6.0	3.2	2.5	2.2	1.3
7343 (D)	7.3	4.3	2.8	2.4	1.3

**■ Marking**

## Voltage Code

Rated Voltage	2.5	4	6.3	10	16	20	25	35
Voltage Code	e	G	J	A	C	D	E	V

Capacitance Code pF Code:  
1st row digits represent significant figures, 3rd digit represent multiplier (number of zeros to follow)

**■ List of capacitance marking (EIA CASE CODE 2012 (P) 3216L 3216 (A))**

Capacitance	A, 3216L size Capacitance symbol	P size Capacitance symbol
0.1 $\mu\text{F}$	104	A5
0.15 $\mu\text{F}$	154	E5
0.22 $\mu\text{F}$	224	J5
0.33 $\mu\text{F}$	334	N5
0.47 $\mu\text{F}$	474	S5
0.68 $\mu\text{F}$	684	W5
1 $\mu\text{F}$	105	A6
1.5 $\mu\text{F}$	155	E6
2.2 $\mu\text{F}$	225	J6
3.3 $\mu\text{F}$	335	N6

Capacitance	A, 3216L size Capacitance symbol	P size Capacitance symbol
4.7 $\mu\text{F}$	475	S6
6.8 $\mu\text{F}$	685	W6
10 $\mu\text{F}$	106	A7
15 $\mu\text{F}$	156	E7
22 $\mu\text{F}$	226	J7
33 $\mu\text{F}$	336	N7
47 $\mu\text{F}$	476	S7
68 $\mu\text{F}$	686	W7
100 $\mu\text{F}$	107	A8

**■ Specifications**

No.	Item	Performance		
1	Operating temp. range (°C)	-55 to +125		
2	Leakage current ( $\mu\text{A}$ )	Less than 0.01 CV or 0.5 whichever is larger (after five minutes) C: Capacitance( $\mu\text{F}$ ), V: Voltage (V)		
3	Capacitance tolerance (%)	$\pm 10$ (K), $\pm 20$ (M)		
4	Tangent of the loss angle ( $\tan \delta$ )	See standard ratings table (120Hz)		
5	ESR	See standard ratings table (100Hz)		
6	Soldering heat resistance (260°C)	SK, SK2, SK3, SK4, SK5	SK6, SK7, SK8, SKF	
	Test time	5 sec	5 sec	
	Leakage current	Initial specified value or less	Initial specified value or less	
	Change in capacitance	Within $\pm 5\%$ of initial value	Within $\pm 10\%$ of initial value	
	$\tan \delta$	Initial specified value or less	150% or less of the Initial specified value or less	
7	Stability at low and high temperature	Temperature -55°C Leakage current Change in capacitance $\tan \delta$	+85°C Less than 0.1 CV or 5 $\mu\text{A}$ whichever is larger +10% or less** 120% or less***	+125°C* Less than 0.125 CV or 6.25 $\mu\text{A}$ whichever is larger +15% or less** 150% or less***
8	Endurance (85°C)	Test time Leakage current Change in capacitance $\tan \delta$	2000 hrs Initial specified value or less Within $\pm 20\%$ of initial value Initial specified value or less	
9	Moisture resistance (40°C) (90 to 95% RH)	Test time Leakage current Change in capacitance $\tan \delta$	500 hrs Initial specified value or less Within $\pm 10\%$ of initial value Initial specified value or less	
10	Others	Conforms to IEC 60384-3: 1989 (JISC 5101-3: 1978)		

\* Derated voltage at 125°C

\*\* When compare to the initial measurement value.

\*\*\* When compare to the initial specified value.

**■ The correlation among rated voltage and derated voltage at 125°C**

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

This catalog printed in U.S.A. on 1/2001.

Specification and dimensions in this catalog are subject to change without notice.

If necessary, drawings can be provided.

**Standard Ratings**

WV(V) CAP.( $\mu$ F)	2.5	4	6.3	10	16	20	25	35
0.10						S		A
0.15						S		A
0.22						S		A
0.33					P	S		A
0.47					P	S	A	A,B
0.68				P	P,S	S,A	A	A,B
1.0			P	P,S	P,S,A	S,A	A	A,B
1.5			P,S	P,S,A	P,S,A	S,A	A,B	B,C
2.2		P,S	P,S,A	P,S,A	P,S,A	A,B	A,B	B,C
3.3	P	P,S,A	P,S,A	P,S,A	A,B	A,B	B	B,C
4.7	P,S	P,S,A	P,S,A	P,S,A,B	A,B	A,B	B,C	C,D
6.8	P,S	P,S,A	P,S,A,B	A,B	A,B	B,C	C	C,D
10	P,S	P,S,A,B	P,S,A,B	A,B	A,B,C	B,C	C,D	D
15	P,S,A	P,S,A,B	S,A,B	A,B,C	B,C	C,D	D	D
22	P,S,A	P,S,A,B	A,B,C	B,C	B,C,D	C,D	D	
33	S,A	A,B,C	A,B,C	B,C,D	C,D	D		
47	A	A,B,C	B,C,D	B,C,D	C,D	D		
68	A,B	B,C,D	B,C,D	C,D	D			
100	B	B,C,D	B,C,D	C,D	D			
150	B	C,D	C,D	D				
220	C	C,D	D					
330	D	D	D					
470	D	D						

	EIA CASE CODE	Case Size (mm)
P	2012	2.0 X 1.25 X 1.2
S	3216L	3.2 X 1.6 X 1.2
A	3216	3.2 X 1.6 X 1.6
B	3528	3.4 X 2.8 X 1.9
C	6032	6.0 X 3.2 X 2.5
D	7343	7.3 X 4.3 X 2.8

SK, SK2, SK3, SK4, SK5  
SK6, SK7, SK8, SKF

Tantalum

**SK, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SKF Chip Type Tantalum Electrolytic Capacitors (CHIPCON®)****Standard Ratings**

ELNA PART NO.	CAP. (μF)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	tan δ 120 Hz	ESR (Ω)
<b>2.5 V</b>						
SKF-0E335M-RP	3.3	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0E475M-RP	4.7	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0E475M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SKF-0E685M-RP	6.8	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0E685M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SKF-0E106M-RP	10	2012(P)	2.0 x 1.25 x 1.2	0.5	0.10	15
SKF-0E106M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	4.0
SKF-0E156M-RP	15	2012(P)	2.0 x 1.25 x 1.2	0.5	0.10	15
SKF-0E156M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.12	4.0
SK3-0E156M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	4.0
SKF-0E226M-RP	22	2012(P)	2.0 x 1.25 x 1.2	0.5	0.10	15
SKF-0E226M-RA2		3216L	3.2 x 1.6 x 1.2	0.55	0.12	4.0
SK4-0E226M-RA		3216(A)	3.2 x 1.6 x 1.6	0.55	0.08	5.0
SKF-0E336M-RA2	33	3216L	3.2 x 1.6 x 1.2	0.82	0.12	4.0
SK5-0E336M-RA		3216(A)	3.2 x 1.6 x 1.6	0.8	0.08	4.0
SK6-0E476M-RA	47	3216(A)	3.2 x 1.6 x 1.6	1.17	0.12	4.0
SK7-0E686M-RA	68	3216(A)	3.2 x 1.6 x 1.6	1.70	0.14	4.0
SK5-0E686M-RB		3528(B)	3.4 x 2.8 x 1.9	1.70	0.08	4.0
SK6-0E107M-RB	100	3528(B)	3.4 x 2.8 x 1.9	2.50	0.08	4.0
SK7-0E157M-RA	150	3528(B)	3.4 x 2.8 x 1.9	3.75	0.12	4.0
SK5-0E227M-RC	220	6032(C)	6.0 x 3.2 x 2.5	5.50	0.12	2.0
SK4-0E337M-RD0	330	7343(D)	7.3 x 4.3 x 2.8	8.25	0.14	2.0
SK5-0E447M-RD0	470	7343(D)	7.3 x 4.3 x 2.8	11.75	0.14	2.0
<b>4 V</b>						
SKF-0G225M-RP	2.2	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0G225M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SKF-0G335M-RP	3.3	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0G335M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK-0G335M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	8.0
SKF-0G475M-RP	4.7	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0G475M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK2-0G475M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.08	8.0
SKF-0G685M-RP	6.8	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0G685M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	20
SK2-0G685M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.08	4.0
SKF-0G106M-RP	10	2012(P)	2.0 x 1.25 x 1.2	0.5	0.10	15

Note: ESR 100 KHz at 20°C

ELNA PART NO.	CAP. (μF)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	tan δ 120 Hz	ESR (Ω)
SKF-0G106M-RA2	10	3216L	3.2 x 1.6 x 1.2	0.5	0.10	15
SK3-0G106M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.08	4.0
SK-0G106M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.06	2.5
SKF-0G156M-RP	15	2012(P)	2.0 x 1.25 x 1.2	0.6	0.10	15
SKF-0G156M-RA2		3216L	3.2 x 1.6 x 1.2	0.6	0.10	15
SK4-0G156M-RA		3216(A)	3.2 x 1.6 x 1.6	0.6	0.08	3.0
SK2-0G156M-RB	22	3528(B)	3.4 x 2.8 x 1.9	0.6	0.08	3.5
SKF-0G226M-RP		2012(P)	2.0 x 1.25 x 1.2	0.88	0.10	15
SKF-0G226M-RA2		3216L	3.2 x 1.6 x 1.2	0.88	0.12	10
SK5-0G226M-RA	22	3216(A)	3.2 x 1.6 x 1.6	0.88	0.08	5.0
SK3-0G226M-RB		3528(B)	3.4 x 2.8 x 1.9	0.88	0.06	1.5
SK6-0G336M-RA		3216(A)	3.2 x 1.6 x 1.6	1.32	0.10	5.0
SK4-0G336M-RB	33	3528(B)	3.4 x 2.8 x 1.9	1.32	0.08	2.0
SK-0G336M-RC		6032(C)	6.0 x 3.2 x 2.5	1.32	0.06	2.2
SK7-0G476M-RA	47	3216(A)	3.2 x 1.6 x 1.6	1.88	0.10	5.0
SK5-0G476M-RB		3528(B)	3.4 x 2.8 x 1.9	1.88	0.08	2.5
SK2-0G476M-RC		6032(C)	6.0 x 3.2 x 2.5	1.88	0.06	1.0
SK6-0G686M-RB	68	3528(B)	3.4 x 2.8 x 1.9	2.72	0.08	2.5
SK3-0G686M-RC		6032(C)	6.0 x 3.2 x 2.5	2.72	0.06	1.0
SK-0G686M-RD0		7343(D)	7.3 x 4.3 x 2.8	2.72	0.06	0.7
SK7-0G107M-RB	100	3528(B)	3.4 x 2.8 x 1.9	4.0	0.10	2.5
SK4-0G107M-RC		6032(C)	6.0 x 3.2 x 2.5	4.0	0.08	1.5
SK2-0G107M-RD0		7343(D)	7.3 x 4.3 x 2.8	4.0	0.08	0.8
SK5-0G157M-RC	150	6032(C)	6.0 x 3.2 x 2.5	6.0	0.10	1.3
SK3-0G157M-RD0		7343(D)	7.3 x 4.3 x 2.8	6.0	0.08	0.8
SK6-0G227M-RC	220	6032(C)	6.0 x 3.2 x 2.5	8.8	0.12	1.3
SK4-0G227M-RD0		7343(D)	7.3 x 4.3 x 2.8	8.8	0.08	1.0
SK5-0G337M-RD0	330	7343(D)	7.3 x 4.3 x 2.8	13.2	0.14	1.0
SK6-0G447M-RD0	470	7343(D)	7.3 x 4.3 x 2.8	18.8	0.16	0.7
<b>6.3 V</b>						
SKF-0J105M-RP	1.0	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	25
SKF-0J155M-RP	1.5	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	25
SKF-0J155M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SKF-0J225M-RP	2.2	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	25
SKF-0J225M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK-0J225M-RA	2.2	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	8.0
SKF-0J335M-RP		3.3	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08

**SK, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SKF Chip Type Tantalum Electrolytic Capacitors (CHIPCON®)****Standard Ratings**

ELNA PART NO.	CAP. (μF)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	$\tan \delta$ 120 Hz	ESR (Ω)
SKF-0J335M-RA2	3.3	3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK2-0J335M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	7.0
SKF-0J475M-RP	4.7	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-0J475M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK2-0J475M-RA	6.8	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	4.0
SKF-0J685M-RP		2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	15
SKF-0J685M-RA2	8.0	3216L	3.2 x 1.6 x 1.2	0.5	0.10	8.0
SK3-0J685M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	4.5
SK-0J685M-RB	10	3528(B)	3.4 x 2.8 x 1.9	0.5	0.06	2.5
SKF-0J106M-RP		2012(P)	2.0 x 1.25 x 1.2	0.63	0.10	15
SKF-0J106M-RA2	10	3216L	3.2 x 1.6 x 1.2	0.63	0.08	4.0
SK4-0J106M-RA		3216(A)	3.2 x 1.6 x 1.6	0.63	0.08	3.0
SK2-0J106M-RB	15	3528(B)	3.4 x 2.8 x 1.9	0.63	0.06	3.0
SKF-0J156M-RA2		3216(L)	3.2 x 1.6 x 1.2	0.94	0.12	5.0
SK5-0J156M-RA	15	3216(A)	3.2 x 1.6 x 1.6	0.94	0.08	5.0
SK3-0J156M-RB		3528(B)	3.4 x 2.8 x 1.9	0.94	0.06	1.5
SK6-0J226M-RA	22	3216(A)	3.2 x 1.6 x 1.6	1.38	0.10	5.0
SK4-0J226M-RB		3528(B)	3.4 x 2.8 x 1.9	1.38	0.08	2.0
SK-0J226M-RC		6032(C)	6.0 x 3.2 x 2.5	1.38	0.06	1.0
SK7-0J336M-RA	33	3216(A)	3.2 x 1.6 x 1.6	2.07	0.10	5.0
SK5-0J336M-RB		3528(B)	3.4 x 2.8 x 1.9	2.07	0.08	2.5
SK2-0J336M-RC		6032(C)	6.0 x 3.2 x 2.5	2.07	0.06	1.0
SK6-0J476M-RB	47	3528(B)	3.4 x 2.8 x 1.9	2.96	0.08	2.5
SK3-0J476M-RC		6032(C)	6.0 x 3.2 x 2.5	2.96	0.06	1.0
SK-0J476M-RD0		7343(D)	7.3 x 4.3 x 2.8	2.96	0.06	0.7
SK7-0J686M-RB	68	3528(B)	3.4 x 2.8 x 1.9	4.28	0.10	2.5
SK4-0J686M-RC		6032(C)	6.0 x 3.2 x 2.5	4.28	0.08	1.5
SK2-0J686M-RD0		7343(D)	7.3 x 4.3 x 2.8	4.28	0.06	0.8
SK8-0J107M-RB	100	3528(B)	3.4 x 2.8 x 1.9	6.3	0.10	2.5
SK5-0J107M-RC		6032(C)	6.0 x 3.2 x 2.5	6.3	0.10	1.3
SK3-0J107M-RD0		7343(D)	7.3 x 4.3 x 2.8	6.3	0.08	0.8
SK6-0J157M-RC	150	6032(C)	6.0 x 3.2 x 2.5	9.45	0.10	1.3
SK4-0J157M-RD0		7343(D)	7.3 x 4.3 x 2.8	9.45	0.08	1.0
SK5-0J227M-RD0	220	7343(D)	7.3 x 4.3 x 2.8	13.86	0.12	0.7
SK6-0J337M-RD0	330	7343(D)	7.3 x 4.3 x 2.8	20.79	0.16	0.7
<b>10 V</b>						
SKF-1A684M-RP	0.68	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	28

Note: ESR 100 KHz at 20°C

ELNA PART NO.	CAP. (μF)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	$\tan \delta$ 120 Hz	ESR (Ω)
SKF-1A105M-RP	1.0	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	25
SKF-1A105M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.06	8.0
SKF-1A155M-RP	1.5	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	25
SKF-1A155M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK-1A155M-RA	2.0	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	8.0
SKF-1A225M-RP		2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-1A225M-RA2	2.2	3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK2-1A225M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	7.0
SKF-1A335M-RP	3.3	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-1A335M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.08	8.0
SK2-1A335M-RA	3.3	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	4.0
SKF-1A475M-RP	4.7	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	15
SKF-1A475M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.10	8.0
SK3-1A475M-RA	4.7	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	4.5
SK-1A475M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.06	3.0
SK4-1A685M-RA	6.8	3216(A)	3.2 x 1.6 x 1.6	0.68	0.06	3.0
SK2-1A685M-RB		3528(B)	3.4 x 2.8 x 1.9	0.68	0.06	3.0
SK5-1A106M-RA	10	3216(A)	3.2 x 1.6 x 1.6	1.0	0.08	5.0
SK3-1A106M-RB		3528(B)	3.4 x 2.8 x 1.9	1.0	0.06	1.5
SK6-1A156M-RA	15	3216(A)	3.2 x 1.6 x 1.6	1.5	0.08	5.0
SK4-1A156M-RB		3528(B)	3.4 x 2.8 x 1.9	1.5	0.06	2.0
SK-1A156M-RC	15	6032(C)	6.0 x 3.2 x 2.5	1.5	0.06	1.0
SK5-1A226M-RB		3528(B)	3.4 x 2.8 x 1.9	2.2	0.08	2.5
SK2-1A226M-RC	22	6032(C)	6.0 x 3.2 x 2.5	2.2	0.06	1.0
SK6-1A336M-RB		3528(B)	3.4 x 2.8 x 1.9	3.3	0.08	2.5
SK3-1A336M-RC	33	6032(C)	6.0 x 3.2 x 2.5	3.3	0.06	1.0
SK-1A336M-RD0		7343(D)	7.3 x 4.3 x 2.8	3.3	0.06	0.7
SK7-1A476M-RB	47	3528(B)	3.4 x 2.8 x 1.9	4.7	0.10	2.5
SK4-1A476M-RC		6032(C)	6.0 x 3.2 x 2.5	4.7	0.06	1.5
SK2-1A476M-RD0	47	7343(D)	7.3 x 4.3 x 2.8	4.7	0.06	0.8
SK5-1A686M-RC		6032(C)	6.0 x 3.2 x 2.5	6.8	0.08	1.3
SK3-1A686M-RD0	68	7343(D)	7.3 x 4.3 x 2.8	6.8	0.06	0.8
SK6-1A107M-RC		6032(C)	6.0 x 3.2 x 2.5	10.0	0.10	1.3
SK4-1A107M-RD0	100	7343(D)	7.3 x 4.3 x 2.8	10.0	0.08	1.0
SK5-1A157M-RC		7343(D)	7.3 x 4.3 x 2.8	15.0	0.10	0.7
<b>16 V</b>						
SKF-1C334M-RP	0.33	2012(P)	2.0 x 1.25 x 1.2	0.5	0.06	28

This catalog printed in U.S.A. on 1/2001.  
 Specification and dimensions in this catalog are subject to change without notice.  
 If necessary, drawings can be provided.

**SK, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SKF Chip Type Tantalum Electrolytic Capacitors (CHIPCON®)****Standard Ratings**

ELNA PART NO.	CAP. (μF)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	tan δ 120 Hz	ESR (Ω)
SKF-1C474M-RP	0.47	2012(P)	2.0 x 1.25 x 1.2	0.5	0.06	28
SKF-1C684M-RP	0.68	2012(P)	2.0 x 1.25 x 1.2	0.5	0.06	28
SKF-1C684M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.06	14
SKF-1C105M-RP	1	2012(P)	2.0 x 1.25 x 1.2	0.5	0.06	25
SKF-1C105M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.06	10
SK-1C105M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	8.0
SKF-1C155M-RP	1.5	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-1C155M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.06	9.0
SK2-1C155M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	8.0
SKF-1C225M-RP	2.2	2012(P)	2.0 x 1.25 x 1.2	0.5	0.08	20
SKF-1C225M-RA2		3216L	3.2 x 1.6 x 1.2	0.5	0.06	8.0
SK2-1C225M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	5.0
SK3-1C335M-RA	3.3	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	4.5
SK-1C335M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.06	3.0
SK4-1C475M-RA	4.7	3216(A)	3.2 x 1.6 x 1.6	0.75	0.06	5.0
SK2-1C475M-RB		3528(B)	3.4 x 2.8 x 1.9	0.75	0.06	3.5
SK5-1C685M-RA	6.8	3216(A)	3.2 x 1.6 x 1.6	1.08	0.06	5.0
SK3-1C685M-RB		3528(B)	3.4 x 2.8 x 1.9	1.08	0.06	1.5
SK6-1C106M-RA	10	3216(A)	3.2 x 1.6 x 1.6	1.6	0.08	5.0
SK4-1C106M-RB		3528(B)	3.4 x 2.8 x 1.9	1.6	0.06	4.0
SK-1C106M-RC		6032(C)	6.0 x 3.2 x 2.5	1.6	0.06	2.2
SK5-1C156M-RB	15	3528(B)	3.4 x 2.8 x 1.9	2.4	0.06	2.5
SK2-1C156M-RC		6032(C)	6.0 x 3.2 x 2.5	2.4	0.06	2.0
SK6-1C226M-RB	22	3528(B)	3.4 x 2.8 x 1.9	3.52	0.06	2.5
SK3-1C226M-RC		6032(C)	6.0 x 3.2 x 2.5	3.52	0.06	1.0
SK-1C226M-RD0		7343(D)	7.3 x 4.3 x 2.8	3.52	0.06	0.7
SK4-1C336M-RC	33	6032(C)	6.0 x 3.2 x 2.5	5.28	0.06	1.5
SK2-1C336M-RD0		7343(D)	7.3 x 4.3 x 2.8	5.28	0.06	1.0
SK5-1C476M-RC	47	6032(C)	6.0 x 3.2 x 2.5	7.52	0.08	1.3
SK3-1C476M-RD0		7343(D)	7.3 x 4.3 x 2.8	7.52	0.06	1.0
SK4-1C686M-RD0	68	7343(D)	7.3 x 4.3 x 2.8	10.8	0.06	1.0
SK5-1C107M-RD0	100	7343(D)	7.3 x 4.3 x 2.8	16.0	0.10	0.7
<b>20 V</b>						
SKF-1D104M-RA2	0.1	3216L	3.2 x 1.6 x 1.2	0.5	0.06	28
SKF-1D154M-RA2	0.15	3216L	3.2 x 1.6 x 1.2	0.5	0.06	25
SKF-1D224M-RA2	0.22	3216L	3.2 x 1.6 x 1.2	0.5	0.06	23
SKF-1D334M-RA2	0.33	3216L	3.2 x 1.6 x 1.2	0.5	0.06	20

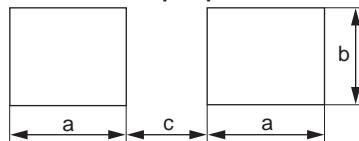
ELNA PART NO.	CAP. (μF)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	tan δ 120 Hz	ESR (Ω)
SKF-1D474M-RA2	0.47	3216L	3.2 x 1.6 x 1.2	0.5	0.06	15
SKF-1D684M-RA2	0.68	3216L	3.2 x 1.6 x 1.2	0.5	0.06	14
SK-1D684M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	12
SKF-1D105M-RA2	1	3216L	3.2 x 1.6 x 1.2	0.5	0.06	10
SK2-1D105M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	9.0
SKF-1D155M-RA2	1.5	3216L	3.2 x 1.6 x 1.2	0.5	0.06	9.0
SK2-1D155M-RA		3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	8.0
SK3-1D225M-RA	2.2	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	6.0
SK-1D225M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.06	5.0
SK4-1D335M-RA	3.3	3216(A)	3.2 x 1.6 x 1.6	0.66	0.06	4.5
SK2-1D335M-RB		3528(B)	3.4 x 2.8 x 1.9	0.66	0.06	3.8
SK5-1D475M-RA	4.7	3216(A)	3.2 x 1.6 x 1.6	0.94	0.06	6.0
SK3-1D475M-RB		3528(B)	3.4 x 2.8 x 1.9	0.94	0.06	5.0
SK4-1D685M-RB	6.8	3528(B)	3.4 x 2.8 x 1.9	1.36	0.06	3.0
SK-1D685M-RC		6032(C)	6.0 x 3.2 x 2.5	1.36	0.06	2.5
SK5-1D106M-RB	10	3528(B)	3.4 x 2.8 x 1.9	2.0	0.06	3.0
SK2-1D106M-RC		6032(C)	6.0 x 3.2 x 2.5	2.0	0.06	2.5
SK3-1D156M-RC	15	6032(C)	6.0 x 3.2 x 2.5	3.0	0.06	2.0
SK-1D156M-RD0		7343(D)	7.3 x 4.3 x 2.8	3.0	0.06	2.0
SK4-1D226M-RC	22	6032(C)	6.0 x 3.2 x 2.5	4.4	0.06	1.5
SK2-1D226M-RD0		7343(D)	7.3 x 4.3 x 2.8	4.4	0.06	1.0
SK3-1D336M-RD0	33	7343(D)	7.3 x 4.3 x 2.8	6.6	0.06	1.0
SK4-1D476M-RD0	47	7343(D)	7.3 x 4.3 x 2.8	9.4	0.06	1.0
<b>25 V</b>						
SK-1E474M-RA	0.47	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	15
SK2-1E684M-RA	0.68	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	10
SK2-1E105M-RA	1	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	8.0
SK3-1E155M-RA	1.5	3216(A)	3.2 x 1.6 x 1.6	0.5	0.06	7.0
SK-1E155M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.06	5.0
SK4-1E225M-RA	2.2	3216(A)	3.2 x 1.6 x 1.6	0.55	0.06	8.0
SK2-1E225M-RB		3528(B)	3.4 x 2.8 x 1.9	0.55	0.06	5.0
SK3-1E335M-RB	3.3	3528(B)	3.4 x 2.8 x 1.9	0.82	0.06	4.0
SK4-1E475M-RB	4.7	3528(B)	3.4 x 2.8 x 1.9	1.17	0.06	3.5
SK-1E475M-RC		6032(C)	6.0 x 3.2 x 2.5	1.17	0.06	2.5
SK2-1E685M-RC	6.8	6032(C)	6.0 x 3.2 x 2.5	1.7	0.06	2.0
SK3-1E106M-RC	10	6032(C)	6.0 x 3.2 x 2.5	2.5	0.06	1.5
SK-1E106M-RD0		7343(D)	7.3 x 4.3 x 2.8	2.5	0.06	1.2

Note: ESR 100 KHz at 20°C

**SK, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SKF Chip Type Tantalum Electrolytic Capacitors (CHIPCON®)****Standard Ratings**

ELNA PART NO.	CAP. ( $\mu$ F)	EIA CASE CODE	SIZE LxWxH (mm)	Leakage Current	$\tan \delta$ 120 Hz	ESR ( $\Omega$ )
SK2-1E156M-RD0	15	7343(D)	7.3 x 4.3 x 2.8	3.75	0.06	1.0
SK3-1E226M-RD0	22	7343(D)	7.3 x 4.3 x 2.8	5.5	0.06	1.0
<b>35 V</b>						
SK-1V104M-RA	0.1	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	28
SK-1V154M-RA	0.15	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	24
SK-1V224M-RA	0.22	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	20
SK-1V334M-RA	0.33	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	15
SK2-1V474M-RA	0.47	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	11
SK-1V474M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.04	11
SK2-1V684M-RA	0.68	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	8.0
SK-1V684M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.04	8.0
SK3-1V105M-RA	1	3216(A)	3.2 x 1.6 x 1.6	0.5	0.04	9.0
SK-1V105M-RB		3528(B)	3.4 x 2.8 x 1.9	0.5	0.04	6.0
SK2-1V155M-RB	1.5	3528(B)	3.4 x 2.8 x 1.9	0.52	0.06	5.0
SK-1V155M-RC		6032(C)	6.0 x 3.2 x 2.5	0.52	0.06	4.5
SK3-1V225M-RB	2.2	3528(B)	3.4 x 2.8 x 1.9	0.77	0.06	4.0
SK-1V225M-RC		6032(C)	6.0 x 3.2 x 2.5	0.77	0.06	3.5
SK4-1V335M-RB	3.3	3528(B)	3.4 x 2.8 x 1.9	1.15	0.06	4.5
SK-1V335M-RC		6032(C)	6.0 x 3.2 x 2.5	1.15	0.06	3.0
SK2-1V475M-RC	4.7	6032(C)	6.0 x 3.2 x 2.5	1.65	0.06	2.0
SK-1V475M-RD0		7343(D)	7.3 x 4.3 x 2.8	1.64	0.06	1.5
SK3-1V685M-RC	6.8	6032(C)	6.0 x 3.2 x 2.5	2.38	0.06	2.3
SK-1V685M-RD0		7343(D)	7.3 x 4.3 x 2.8	2.38	0.06	1.3
SK2-1V106M-RD0	10	7343(D)	7.3 x 4.3 x 2.8	3.5	0.06	1.0
SK3-1V156M-RD0	15	7343(D)	7.3 x 4.3 x 2.8	5.25	0.06	1.0

Note: ESR 100 KHz at 20°C

**■ Recommended pad pattern and size**

EIA CASE CODE	a		b	c
	Dip soldering	Reflow soldering		
2012 (P)	2.2mm	1.2mm	1.4mm	0.7mm
3216L	2.9mm	1.6mm	1.7mm	1.2mm
3216 (A)	2.9mm	1.6mm	1.7mm	1.2mm
3528 (B)	3.0mm	1.6mm	2.7mm	1.5mm
6032 (C)	4.1mm	2.4mm	2.7mm	2.4mm
7343 (D)	5.2mm	2.4mm	2.9mm	3.7mm

SK, SK2, SK3, SK4, SK5  
SK6, SK7, SK8, SKF

Tantalum