SKV SERIES

105℃ Standard

•Load Life : 105℃ 1000 hours.

RoHS compliance



◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−55～+105℃
Rated Voltage Range	6.3～50Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	(20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 105℃, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Rated Voltage (Vdc)		6.3	10	16	25	35	50
tanδ	φ4～φ6.3	0.30	0.24	0.20	0.16	0.14	0.12
	φ8, φ10	0.35	0.26	0.20	0.16	0.14	0.12

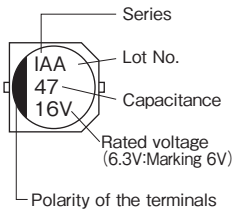
Capacitance Change	Within ±30% of the initial value. (φ8,10:±25%)
Dissipation Factor	Not more than 300% of the specified value. (φ8,10:200%)
Leakage Current	Not more than the specified value.

Rated Voltage (Vdc)	6.3	10	16	25	35	50
Z(−25℃)/Z(20℃)	4	3	2	2	2	2
Z(−40℃)/Z(20℃)	8	8	4	4	3	3

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		60(50)	120	500	1k	10k≦
Coefficient	0.47～1μF	0.50	1.00	1.20	1.30	1.50
	2.2～4.7μF	0.65	1.00	1.20	1.30	1.50
	10～47μF	0.80	1.00	1.20	1.30	1.50
	100～1000μF	0.80	1.00	1.10	1.15	1.20

◆MARKING

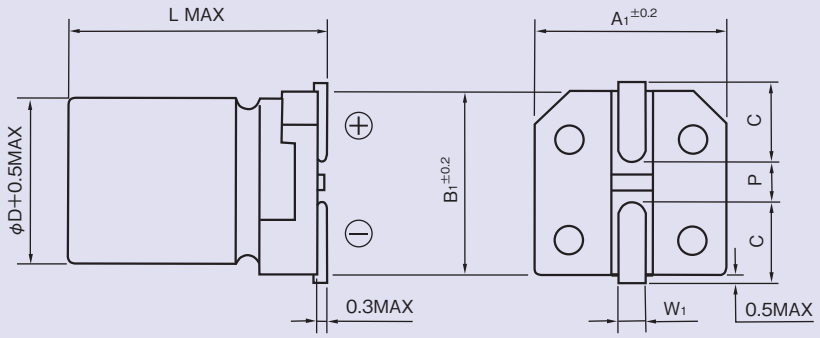


◆PART NUMBER

□□□ Rated Voltage / SKV Series / □□□□□ Capacitance / □ Capacitance Tolerance / □□□ Option / D×L Case Size

◆DIMENSIONS

(mm)



φD	L	A1	B1	C	W1	P
4	5.5	4.3	4.3	1.8	0.5～0.8	1.0
5	5.5	5.3	5.3	2.2	0.5～0.8	1.3
6.3	5.5	6.6	6.6	2.7	0.5～0.8	1.8
8	6.5	8.3	8.3	3.4	0.5～0.8	2.2
8	10.5	8.3	8.3	2.9	0.8～1.1	3.1
10	10.5	10.3	10.3	3.2	0.8～1.1	4.5

◆STANDARD SIZE

Size φD×L(mm), Rated Ripple Current (mA r.m.s./105℃, 120Hz)

Vdc / Cap(μF)	6.3		10		16		25		35		50	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47											4×5.5	4.0
1											4×5.5	8.0
2.2											4×5.5	11
3.3											4×5.5	13
4.7									4×5.5	14	5×5.5	18
10					4×5.5	20			5×5.5	24	6.3×5.5	28
22	4×5.5	23			5×5.5	31			6.3×5.5	46	8×6.5	70
33			5×5.5	34			6.3×5.5	48			8×10.5	135
47	5×5.5	37			6.3×5.5	56					8×10.5	155
											10×10.5	180
100	6.3×5.5	57			6.3×5.5	65	8×6.5	118	8×10.5	180	8×10.5	200
							8×10.5	180	10×10.5	305	10×10.5	315
220	6.3×5.5	74			8×10.5	185	8×10.5	190	10×10.5	360		
							10×10.5	353				
330			8×10.5	195	8×10.5	195	10×10.5	450				
					10×10.5	440						
470	8×10.5	210	8×10.5	210	10×10.5	460						
			10×10.5	440								
1000	10×10.5	480										

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450BXW120MEFR18X40 100YXF3.3M5X11 10ZLJ560M8X11.5 25TZV470M10X10.5 35YXF2200M16X31.5
35YXF2200MEFCGC16X31.5 35ZLG150MEFC8X11.5 50ZLJ220M10X16 25YXM100MEFC6.3X11
35ZLK330M10X16 100ZLH220MEFC12.5X25 25PX680MEFC10X12.5 50ZLJ470M12.5X20
6.3ZLH820M8X11.5 16YXF4700M16X31.5 35PK1000MEFC10X20 400BXC4R7MEFC10X16
420BXW56MEFR12.5X35 420BXW68MEFR12.5X45 450BXW47MEFR16X25 16YXF220M8X11.5
50TZV220M10X10.5 63ZLH390MEFCG412.5X20 63ZLJ390M12.5X20 420BXW33MEFR12.5X25
6.3ZL1000MEFC10X12.5