

SKV SERIES

105°C Standard

*Load Life : 105°C 1000 hours.

RoHS
compliance



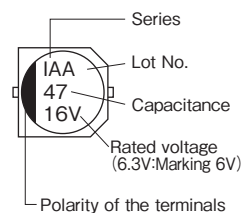
◆SPECIFICATIONS

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)	<table border="1"><thead><tr><th>Rated Voltage (Vdc)</th><th>6.3</th><th>10</th><th>16</th><th>25</th><th>35</th><th>50</th></tr></thead><tbody><tr><td>tanδ</td><td>0.30</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td></tr></tbody></table> (20℃,120Hz)							Rated Voltage (Vdc)	6.3	10	16	25	35	50	tanδ	0.30	0.24	0.20	0.16	0.14	0.12							
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Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 105℃, the capacitors shall meet the following requirements. <table border="1"><tbody><tr><td>Capacitance Change</td><td colspan="6">Within ±30% of the initial value. (φ8,10:±25%)</td></tr><tr><td>Dissipation Factor</td><td colspan="6">Not more than 300% of the specified value. (φ8,10:200%)</td></tr><tr><td>Leakage Current</td><td colspan="6">Not more than the specified value.</td></tr></tbody></table>							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.					
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"><thead><tr><th>Rated Voltage (Vdc)</th><th>6.3</th><th>10</th><th>16</th><th>25</th><th>35</th><th>50</th></tr></thead><tbody><tr><td>Z(-25℃)/Z(20℃)</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40℃)/Z(20℃)</td><td>8</td><td>8</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></tbody></table> (120Hz)							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
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◆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

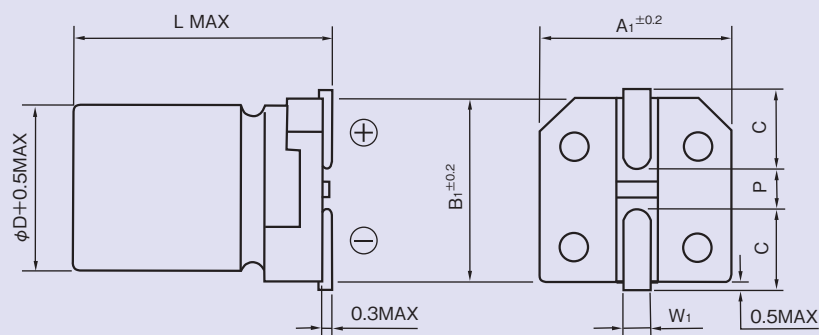


◆PART NUMBER

□□□	SKV	□□□□□	□	□□□	DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Case Size

◆ DIMENSIONS

(mm)



ϕ D	L	A ₁	B ₁	C	W ₁	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 $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)[illegible]