

SKV SERIES
105°C Standard

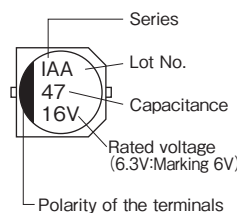
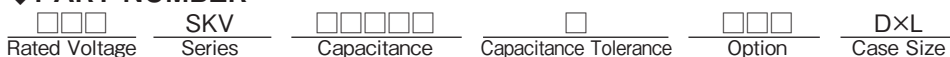
*Load Life : 105°C 1000 hours.


◆ SPECIFICATIONS

Items	Characteristics																					
Category Temperature Range	-55~+105°C																					
Rated Voltage Range	6.3~50Vdc																					
Capacitance Tolerance	±20% (20°C, 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>φ4~φ6.3</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> <tr> <td>φ8, φ10</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table> (20°C, 120Hz)	Rated Voltage (Vdc)	6.3	10	16	25	35	50	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
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Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±30% of the initial value. (φ8,10:±25%)</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value. (φ8,10:200%)</td> </tr> <tr> <td>Leakage Current</td> <td>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°C)/Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</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°C)/Z(20°C)	4	3	2	2	2	2	Z(-40°C)/Z(20°C)	8	8	4	4	3	3
Rated Voltage (Vdc)	6.3	10	16	25	35	50																
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Z(-40°C)/Z(20°C)	8	8	4	4	3	3																

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120	500	1k	10k≤
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


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[10SKV470M10X10.5](#) [25SKV33M6.3X5.5](#) [50SKV47M8X10.5](#) [50SKV2R2M4X5.5](#) [6.3SKV220M6.3X5.5](#)
[50SKV3R3M4X5.5](#) [35SKV22M6.3X5.5](#) [6.3SKV470M8X10.5](#) [6.3SKV100M6.3X5.5](#) [16SKV10M4X5.5](#)
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[35SKV220M10X10.5](#) [16SKV47M6.3X5.5](#) [6.3SKV22M4X5.5](#) [50SKV0R47M4X5.5](#) [16SKV220M8X10.5](#)
[16SKV330M10X10.5](#) [25SKV100M8X10.5](#) [25SKV330M10X10.5](#) [25SKV220M10X10.5](#) [50SKV10M6.3X5.5](#)